

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056071.D
 Acq On : 7 Jun 2019 2:39
 Operator : JC/SP
 Sample : K3203-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW045-190604

Quant Time: Jun 07 05:33:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	340020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	507862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241282	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	171884	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
35) Dibromofluoromethane	7.59	113	152421	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.09	98	648715	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	
62) 4-Bromofluorobenzene	12.40	95	240302	58.93	ug/l	0.00
Spiked Amount			Recovery	=	117.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.18	50	87185	23.654	ug/l #	42
4) Vinyl Chloride	2.18	62	16279365	4403.132	ug/l #	86
6) Chloroethane	2.69	64	13308	6.208	ug/l	98
11) Tert butyl alcohol	4.82	59	7085	12.059	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	3355	1.175	ug/l	95
16) Acetone	3.83	43	2269	1.405	ug/l	96
20) Methylene Chloride	4.54	84	3323	0.999	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	1362	0.445	ug/l	88
27) cis-1,2-Dichloroethene	6.82	96	1391979	387.193	ug/l	90
31) Cyclohexane	7.66	56	5916	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	20165	4.618	ug/l #	48
38) Carbon Tetrachloride	7.66	117	27780	6.900	ug/l #	14
39) Methylcyclohexane	9.08	83	2268	0.417	ug/l #	82
40) Benzene	8.04	78	1472934	111.054	ug/l	100
42) 1,2-Dichloroethane	8.12	62	3265	0.765	ug/l	87
44) Trichloroethene	8.83	130	1805	0.474	ug/l	96
45) 1,2-Dichloropropane	9.12	63	2004	0.590	ug/l #	86
48) Methyl methacrylate	9.12	41	1095	0.355	ug/l #	6
52) Toluene	10.16	92	312668	37.884	ug/l	100
53) t-1,3-Dichloropropene	10.16	75	3064	3.016	ug/l #	1
59) 2-Hexanone	10.61	43	41370	14.497	ug/l	75
67) Ethyl Benzene	11.51	91	44446	2.526	ug/l	99
68) m/p-Xylenes	11.62	106	19234	2.861	ug/l	100
69) o-Xylene	11.95	106	29393	4.446	ug/l	97
71) Bromoform	12.40	173	1401	3.194	ug/l #	1
73) Isopropylbenzene	12.25	105	8863	Below Cal		98
76) 1,2,3-Trichloropropane	12.40	75	108675	24.478	ug/l #	100
78) n-propylbenzene	12.59	91	12800	0.627	ug/l	94
79) 2-Chlorotoluene	12.67	91	5455	Below Cal		80
80) 1,3,5-Trimethylbenzene	12.73	105	18349	1.131	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	108675	81.517	ug/l #	15
82) 4-Chlorotoluene	12.77	91	2820	0.236	ug/l	95
83) tert-Butylbenzene	12.99	119	766	Below Cal	#	72
84) 1,2,4-Trimethylbenzene	13.04	105	5536	0.360	ug/l	100

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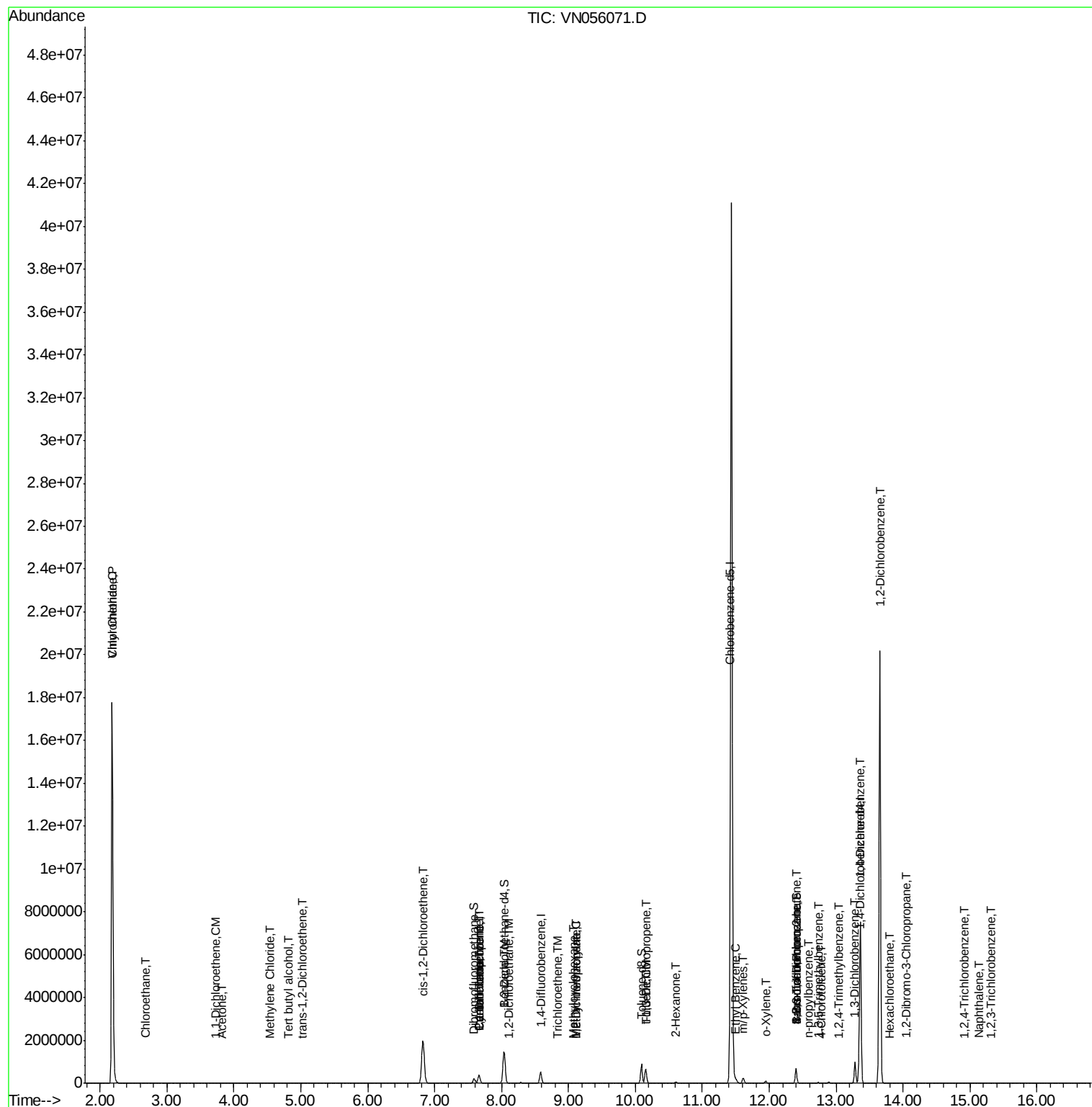
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.28	146	461810	57.761	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3433780	446.468	ug/l	99
90) Hexachloroethane	13.80	117	567	0.232	ug/l #	1
91) 1,2-Dichlorobenzene	13.65	146	9486126	1175.189	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.05	75	407	0.508	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	2040	4.689	ug/l #	89
95) Naphthalene	15.13	128	12669	4.865	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	389	3.112	ug/l #	76

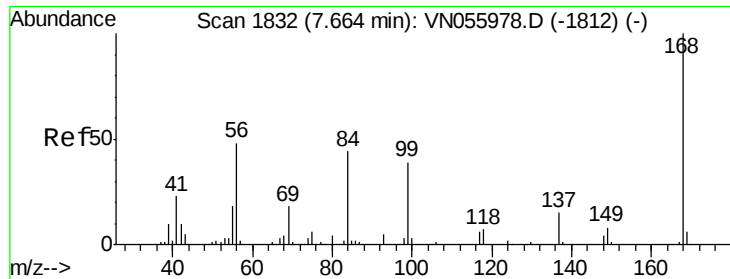
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

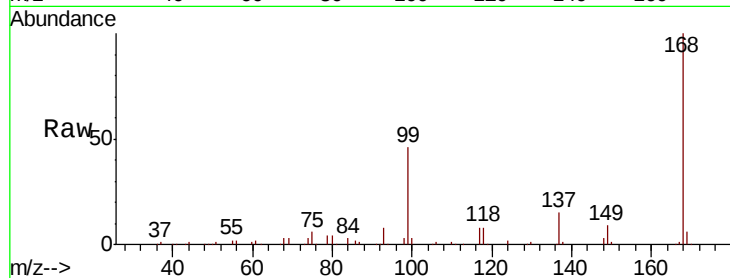
LF015MW045-190604

Tot Ion:168 Resp: 340020

Ion Ratio Lower Upper

168 100

99 46.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

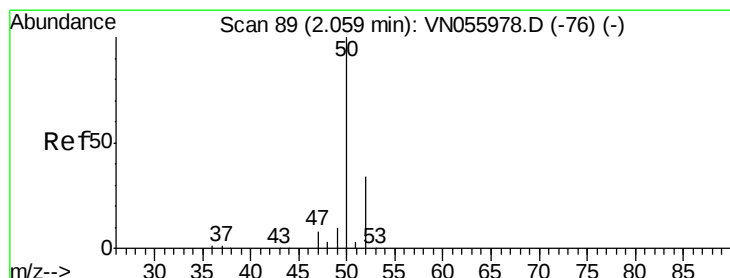
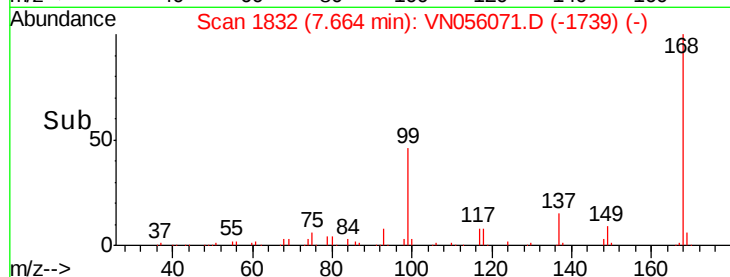
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 23.654 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.12 min

Lab File: VN056071.D

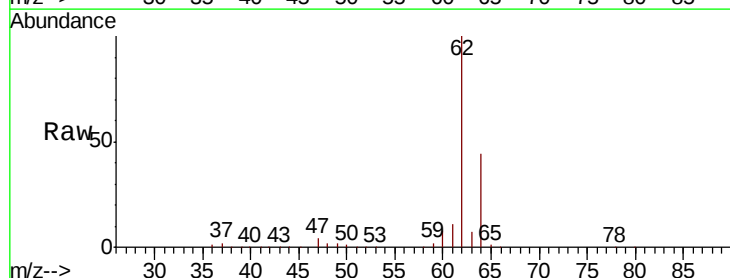
Acq: 7 Jun 2019 2:39

Tgt Ion: 50 Resp: 87185

Ion Ratio Lower Upper

50 100

52 0.3 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.18

60000

50000

40000

30000

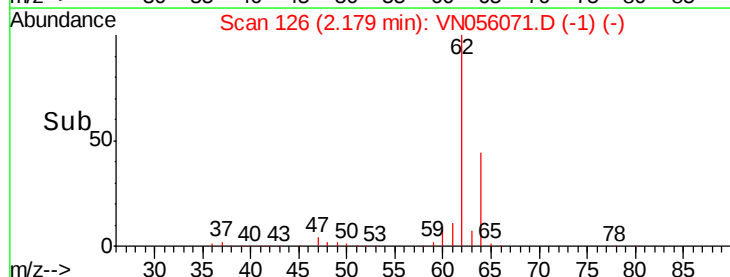
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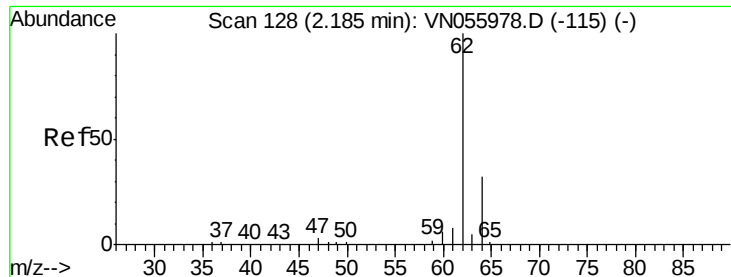
10000

0

Time-->

2.10 2.15 2.20 2.25





#4

Vinyl Chloride

Concen: 4403.132 ug/l

RT: 2.18 min Scan# 125

Delta R.T. -0.01 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

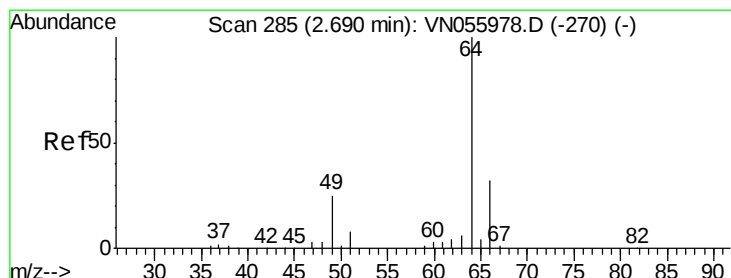
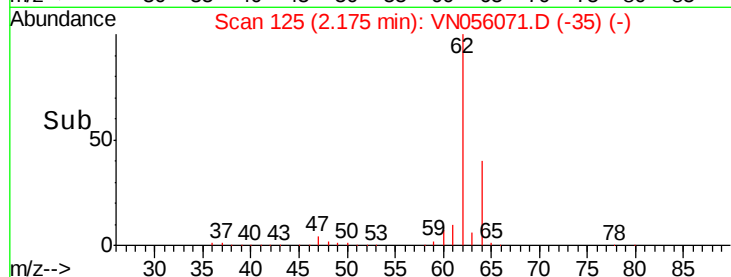
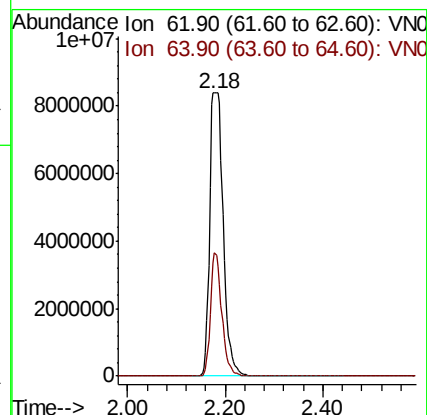
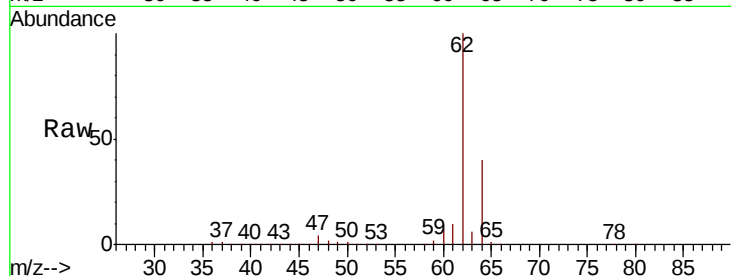
LF015MW045-190604

Tot Ion: 62 Resp: 16279365

Ion Ratio Lower Upper

62 100

64 40.0 25.6 38.4#



#6

Chloroethane

Concen: 6.208 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN056071.D

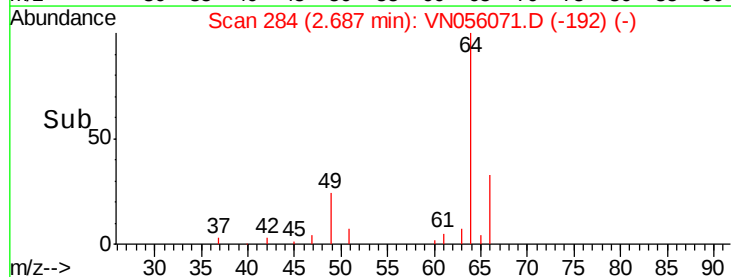
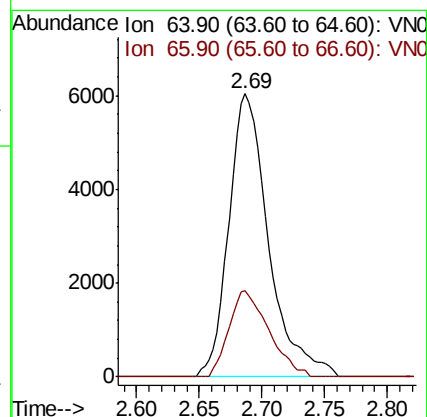
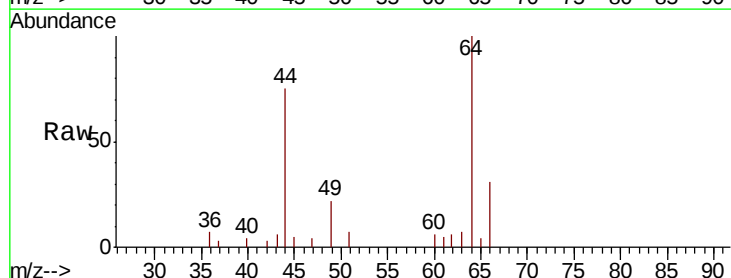
Acq: 7 Jun 2019 2:39

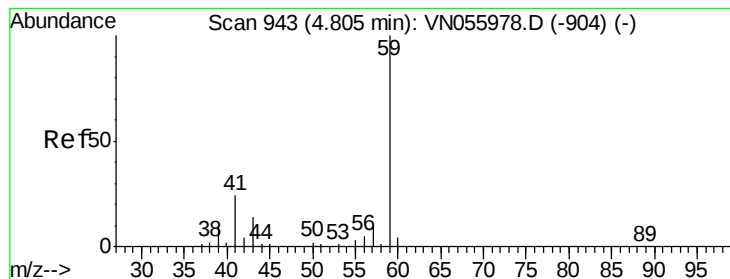
Tgt Ion: 64 Resp: 13308

Ion Ratio Lower Upper

64 100

66 30.7 25.4 38.0



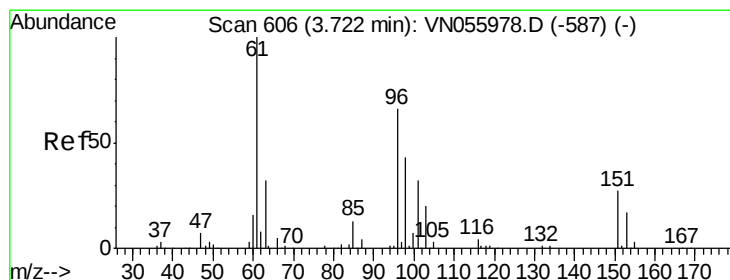
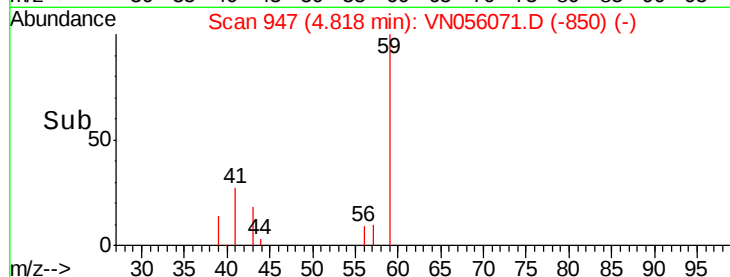
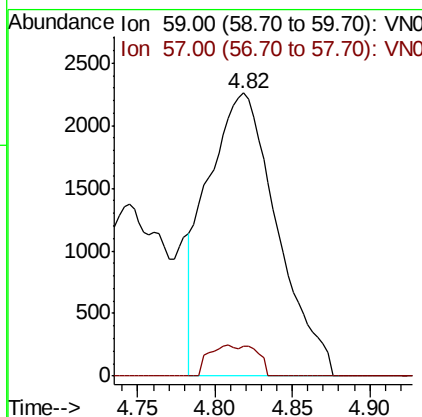
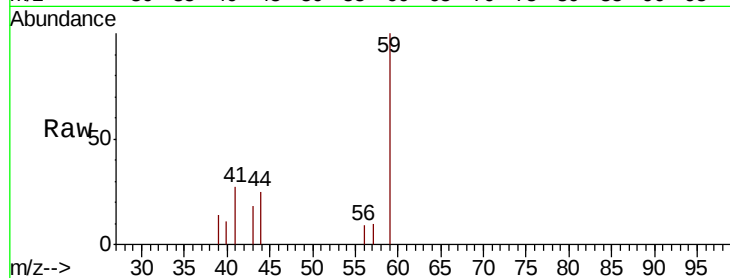


#11

Tert butyl alcohol
 Concen: 12.059 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: VN056071.D
 Acq: 7 Jun 2019 2:39

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 LF015MW045-190604

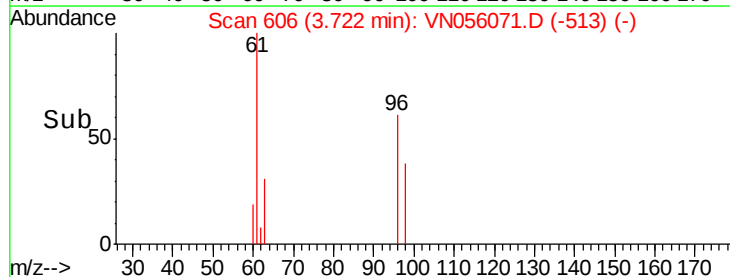
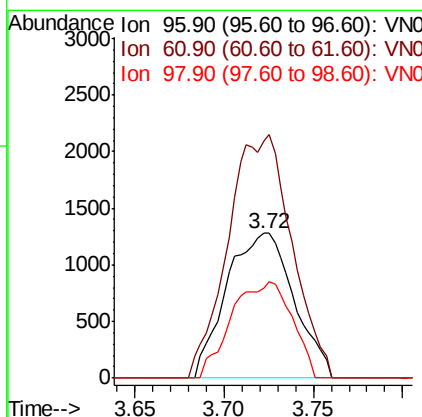
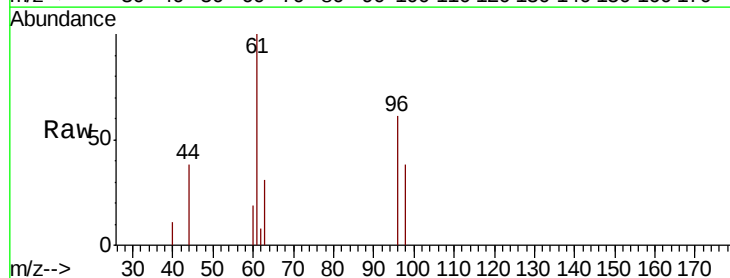
Tot Ion: 59 Resp: 7085
 Ion Ratio Lower Upper
 59 100
 57 4.6 7.8 11.6#

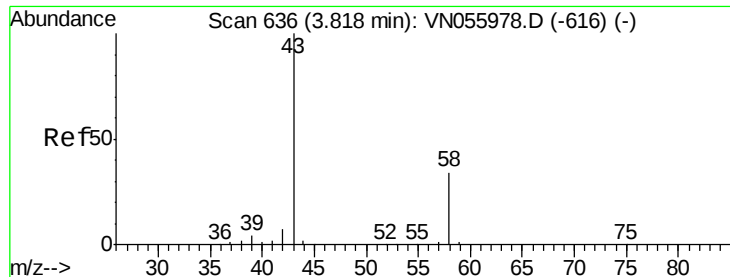


#12

1,1-Dichloroethene
 Concen: 1.175 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN056071.D
 Acq: 7 Jun 2019 2:39

Tgt Ion: 96 Resp: 3355
 Ion Ratio Lower Upper
 96 100
 61 163.3 123.2 184.8
 98 62.2 50.4 75.6





#16

Acetone

Concen: 1.405 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

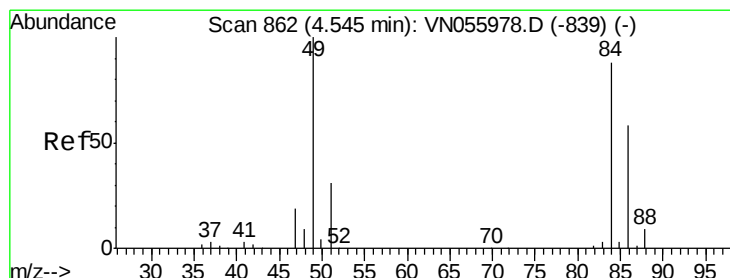
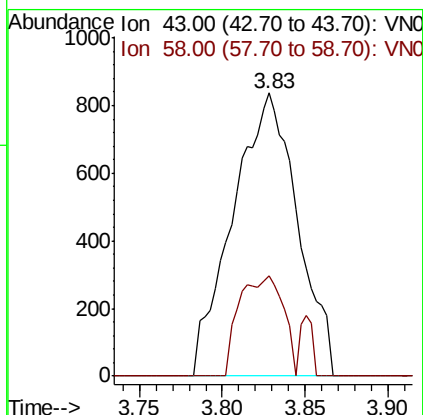
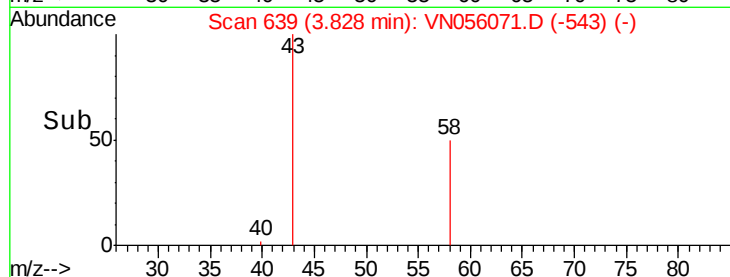
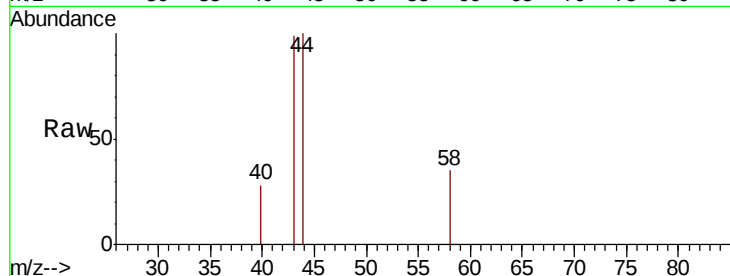
LF015MW045-190604

Tot Ion: 43 Resp: 2269

Ion Ratio Lower Upper

43 100

58 35.2 26.6 39.8



#20

Methylene Chloride

Concen: 0.999 ug/l

RT: 4.54 min Scan# 860

Delta R.T. -0.01 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Tgt Ion: 84 Resp: 3323

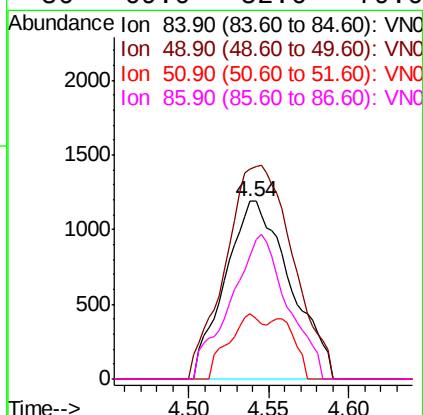
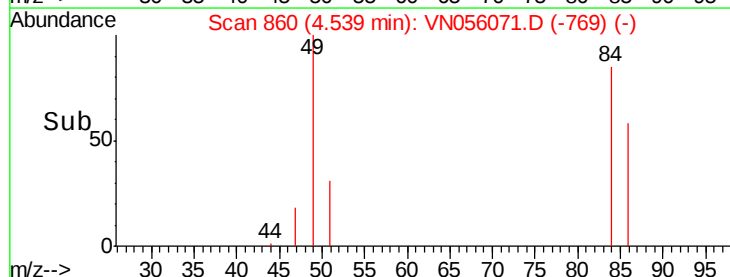
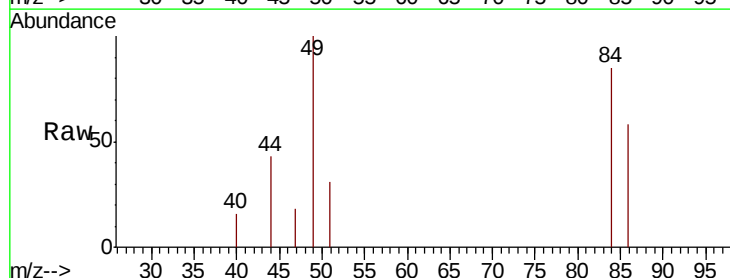
Ion Ratio Lower Upper

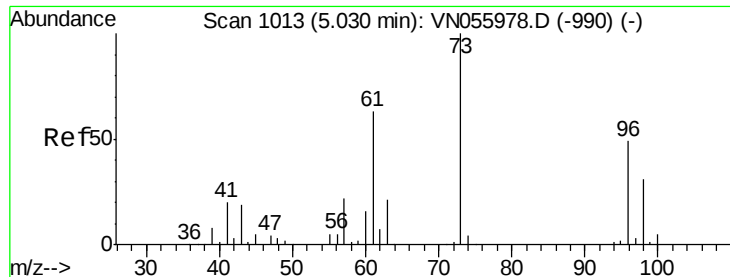
84 100

49 118.2 93.5 140.3

51 36.4 28.6 43.0

86 69.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 0.445 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. -0.01 min

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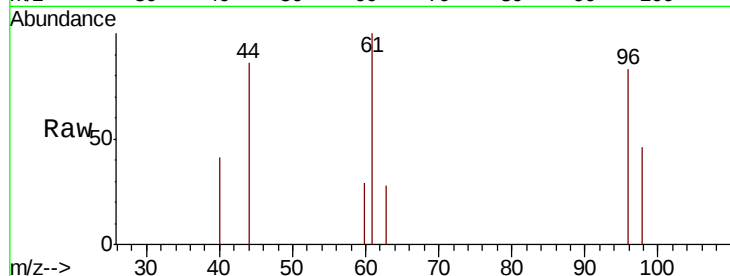
Tot Ion: 96 Resp: 1362

Ion Ratio Lower Upper

96 100

61 120.0 107.8 161.8

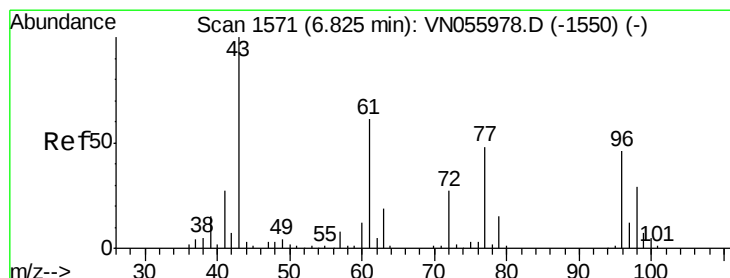
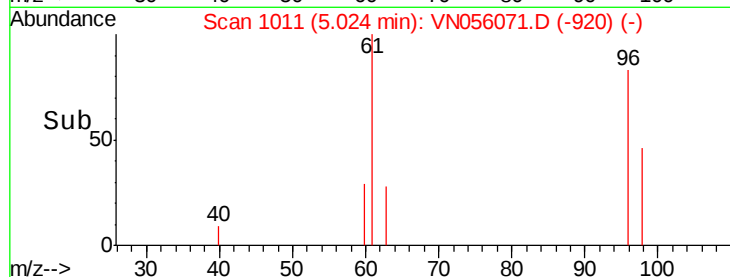
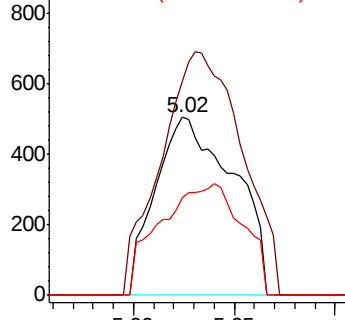
98 54.9 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 387.193 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

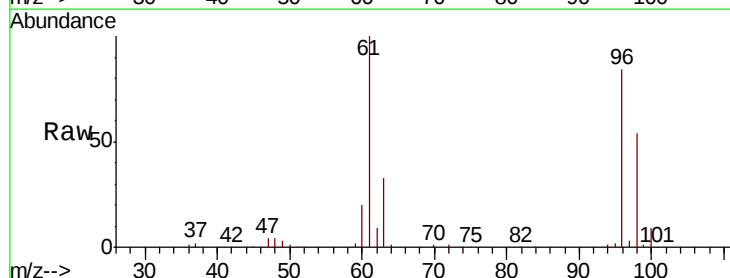
Tgt Ion: 96 Resp: 1391979

Ion Ratio Lower Upper

96 100

61 119.7 0.0 275.8

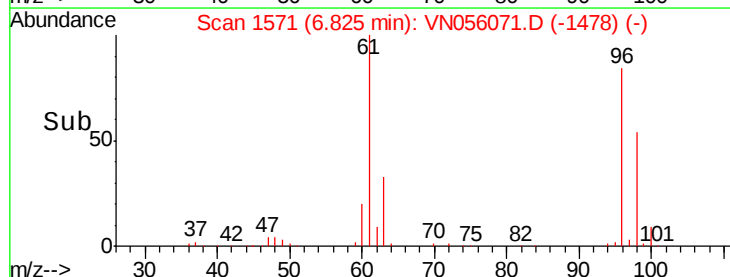
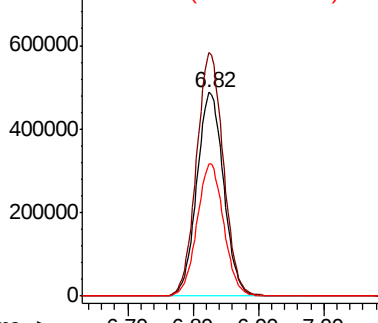
98 64.7 0.0 128.4

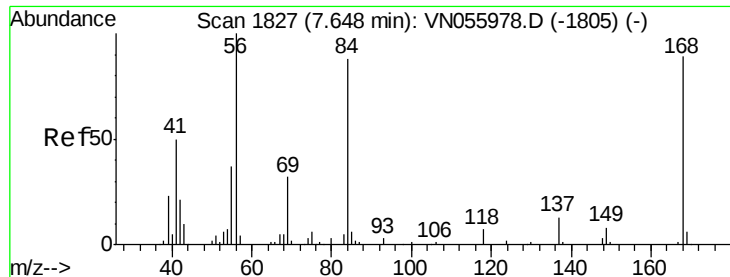


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

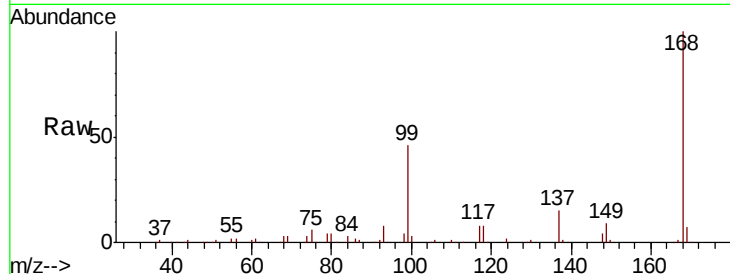




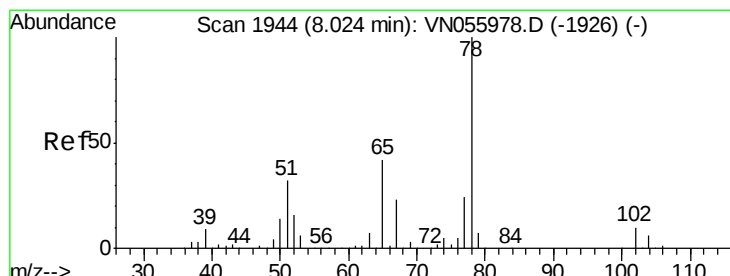
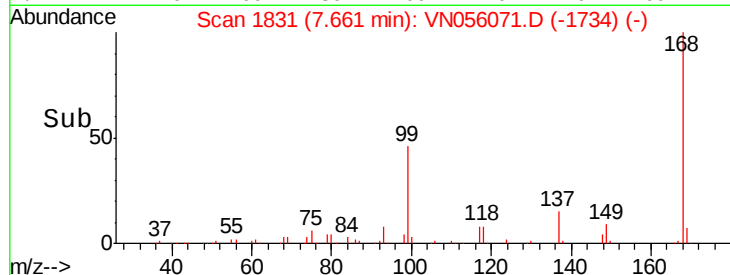
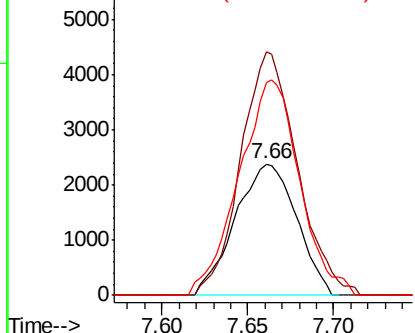
#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Instrument :
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LF015MW045-190604

Tot Ion: 56 Resp: 5916
Ion Ratio Lower Upper
56 100
69 185.0 25.6 38.4#
84 162.1 67.4 101.0#

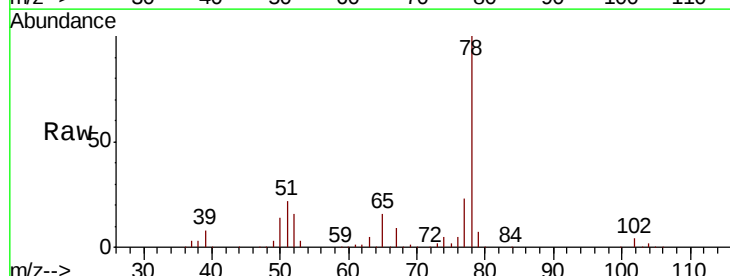


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

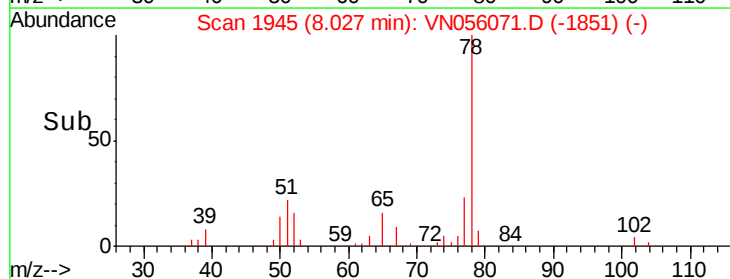
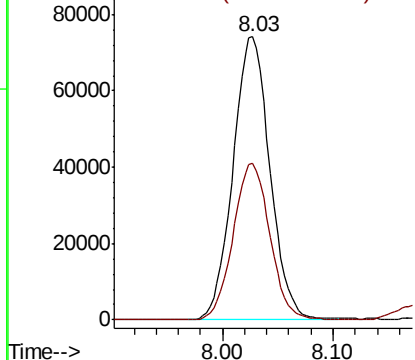


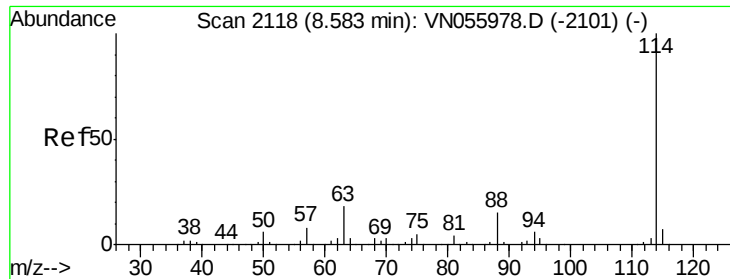
#33
1,2-Dichloroethane-d4
Concen: 50.912 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Tgt Ion: 65 Resp: 171884
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

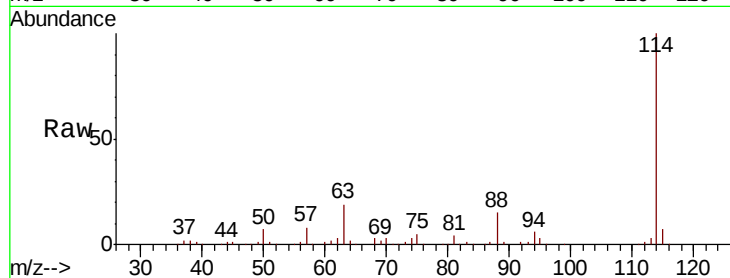




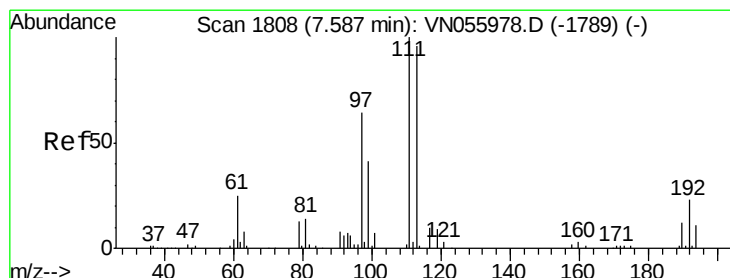
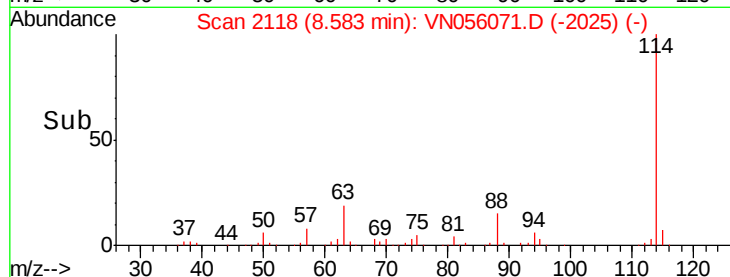
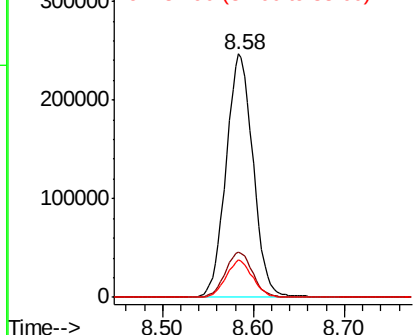
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
LF015MW045-190604

Tot Ion:114 Resp: 507862
Ion Ratio Lower Upper
114 100
63 18.7 0.0 39.2
88 15.2 0.0 31.0

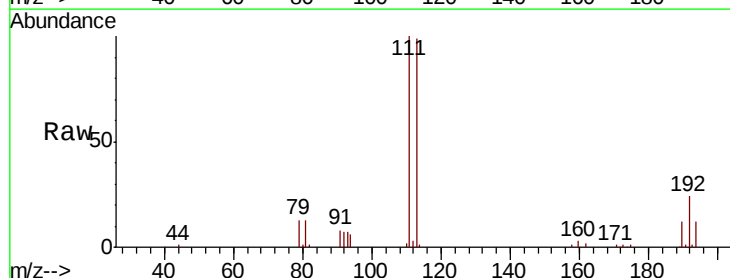


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

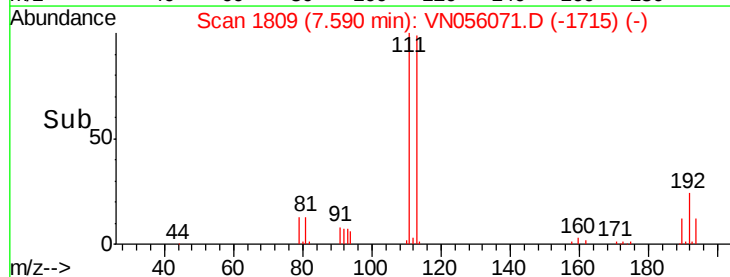
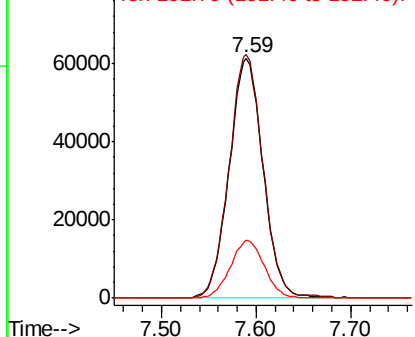


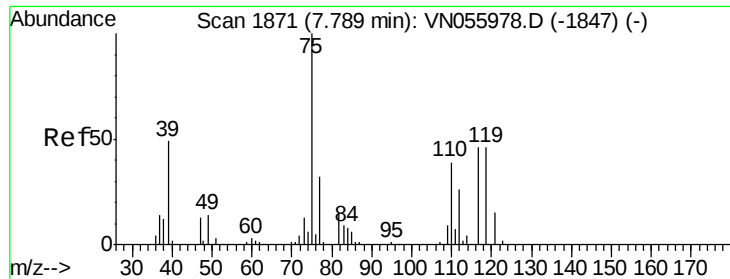
#35
Dibromofluoromethane
Concen: 48.917 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Tgt Ion:113 Resp: 152421
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 24.1 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.618 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

LF015MW045-190604

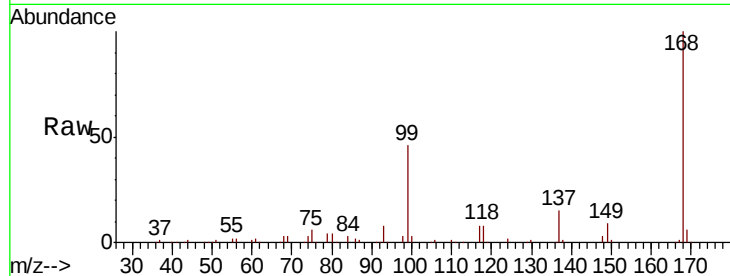
Tot Ion: 75 Resp: 20165

Ion Ratio Lower Upper

75 100

110 8.5 19.0 57.0#

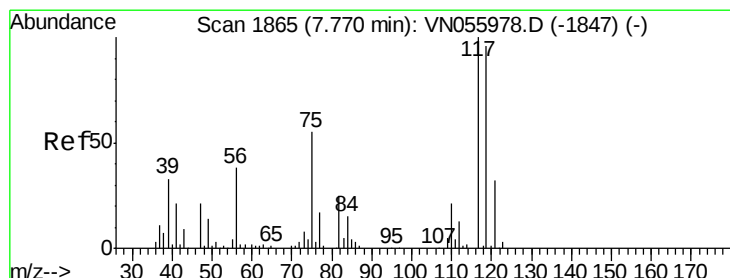
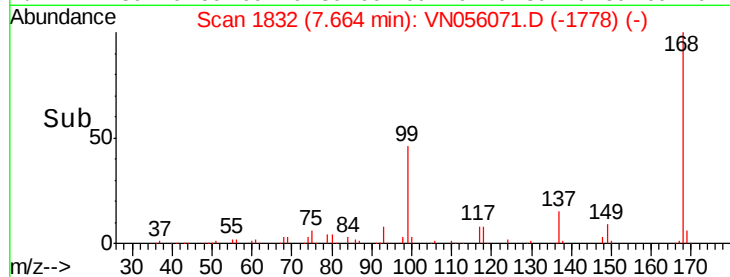
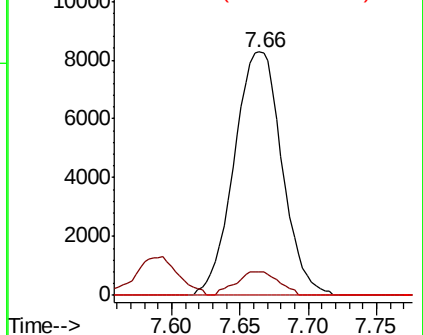
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 6.900 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

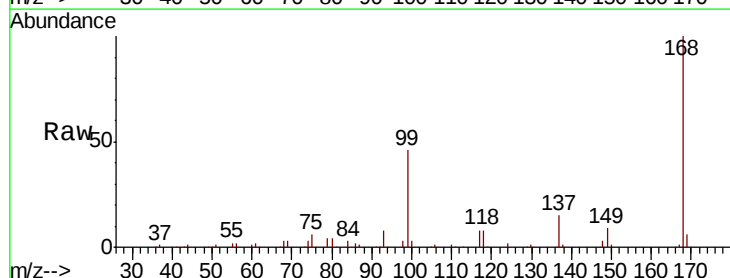
Tgt Ion: 117 Resp: 27780

Ion Ratio Lower Upper

117 100

119 4.6 79.0 118.6#

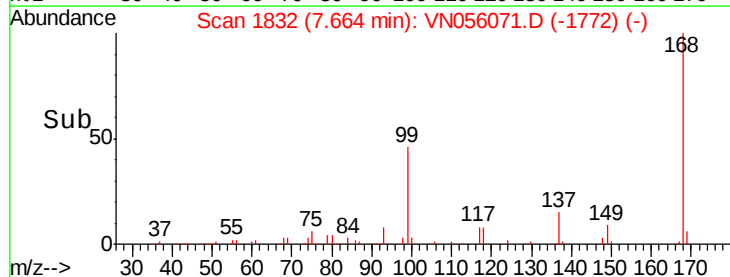
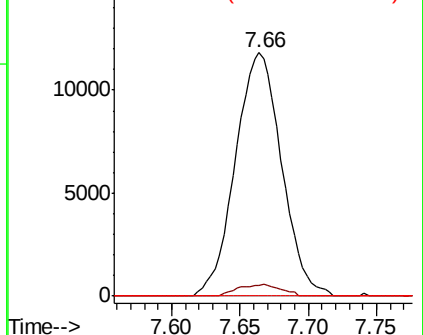
121 0.0 24.7 37.1#

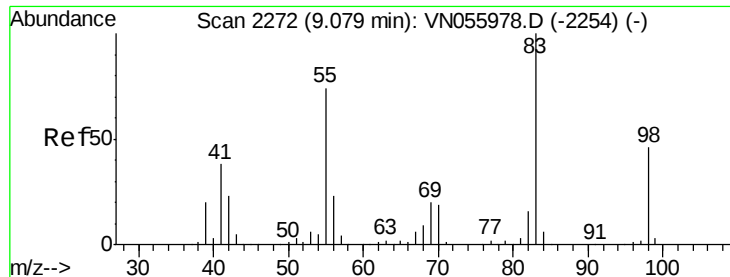


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

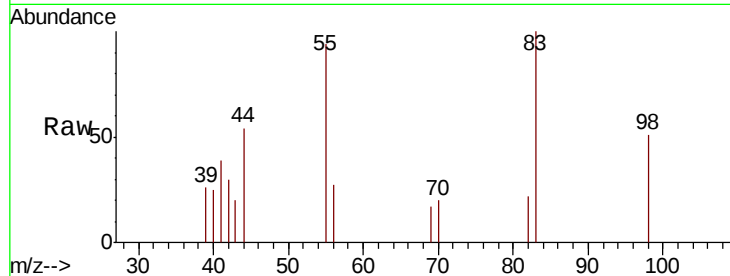




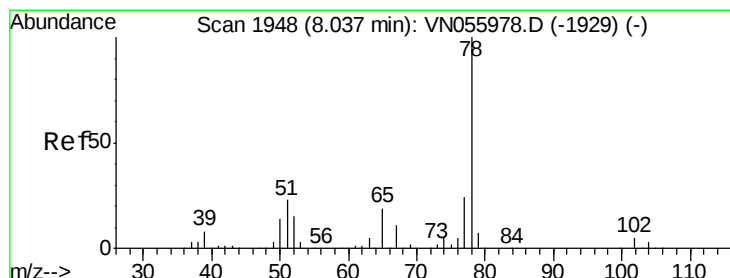
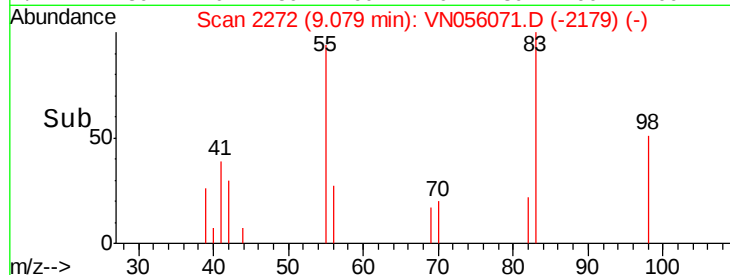
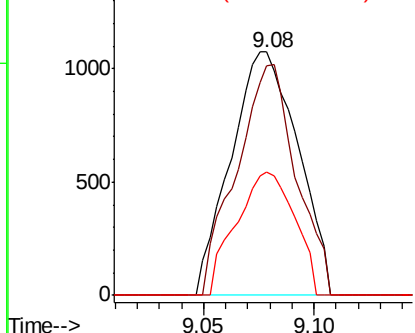
#39
Methvlcvclohexane
Concen: 0.417 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
LF015MW045-190604

Tot Ion: 83 Resp: 2268
Ion Ratio Lower Upper
83 100
55 94.3 59.3 88.9#
98 50.6 36.6 54.8

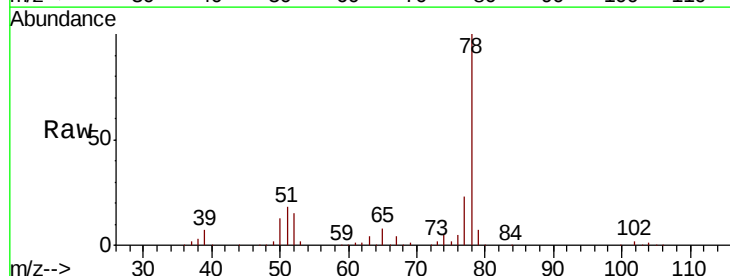


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

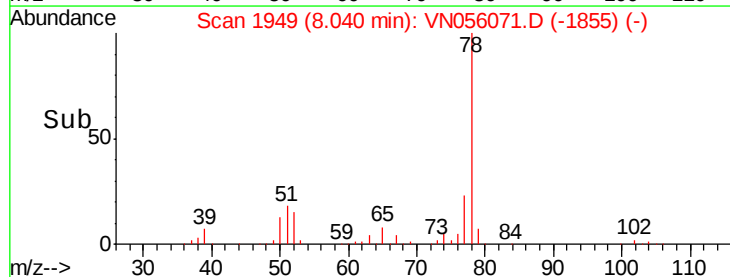
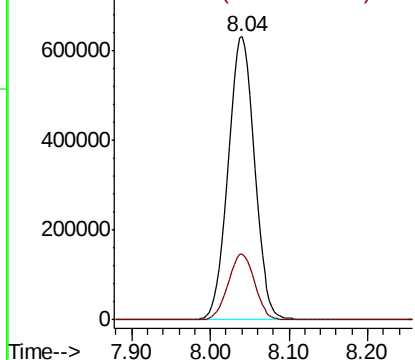


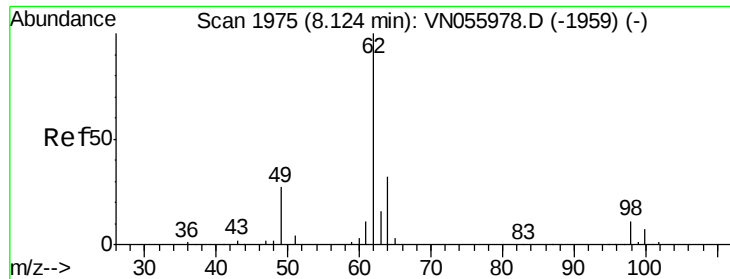
#40
Benzene
Concen: 111.054 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Tgt Ion: 78 Resp: 1472934
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#42

1,2-Dichloroethane

Concen: 0.765 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

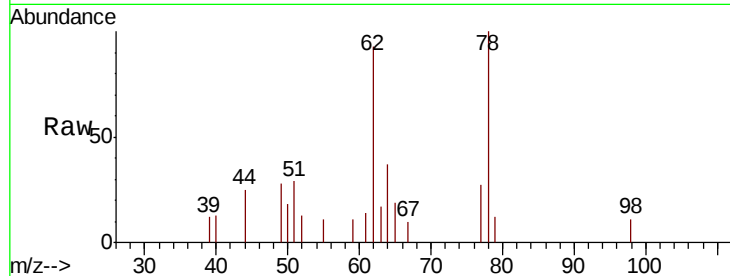
LF015MW045-190604

Tot Ion: 62 Resp: 3265

Ion Ratio Lower Upper

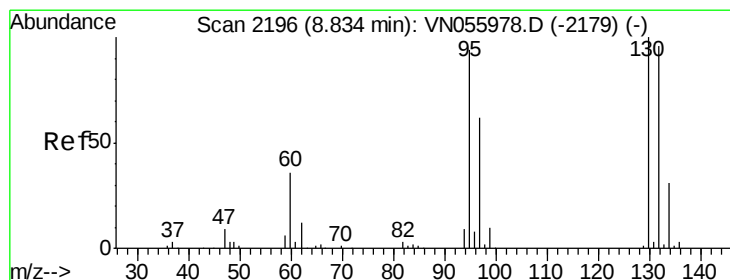
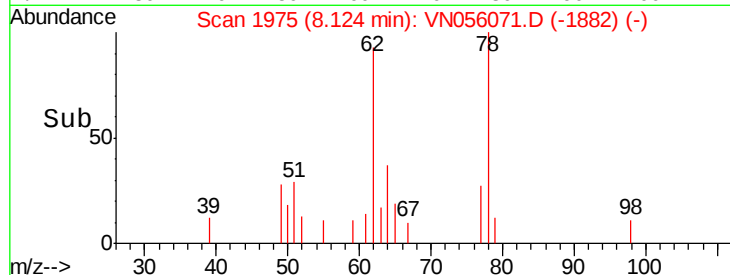
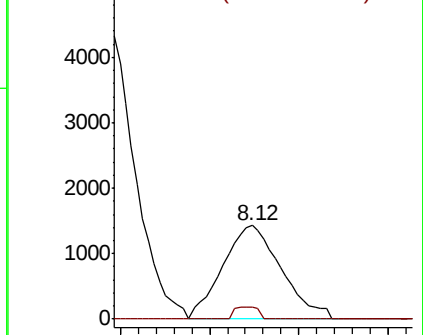
62 100

98 5.1 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VN055978.D (-1959) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1959) (-)



#44

Trichloroethene

Concen: 0.474 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056071.D

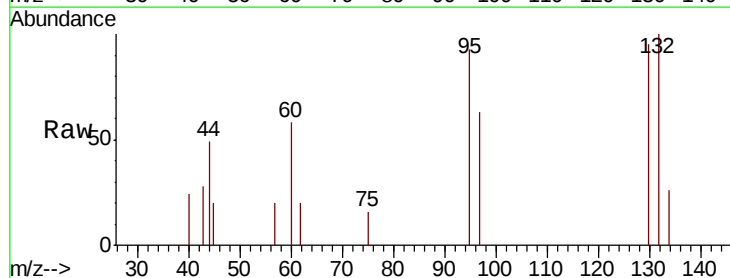
Acq: 7 Jun 2019 2:39

Tgt Ion: 130 Resp: 1805

Ion Ratio Lower Upper

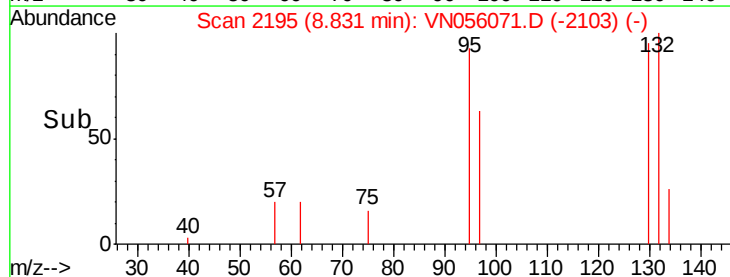
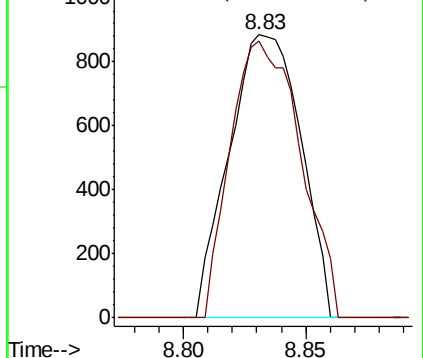
130 100

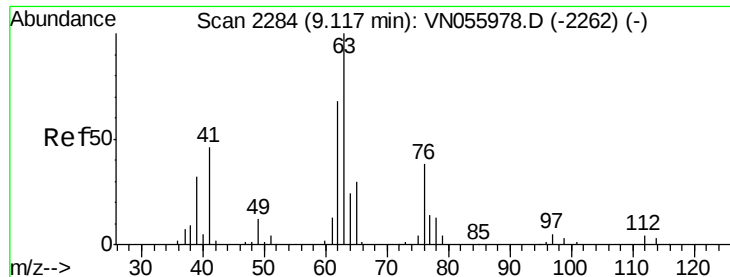
95 97.6 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 0.590 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

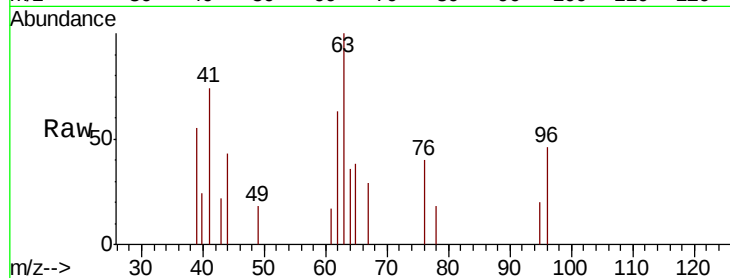
LF015MW045-190604

Tot Ion: 63 Resp: 2004

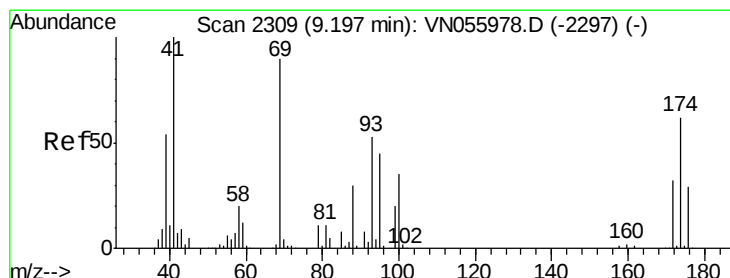
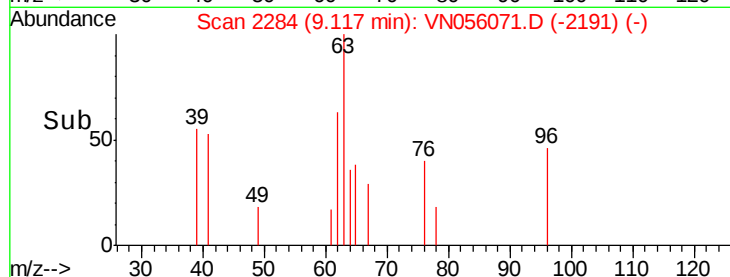
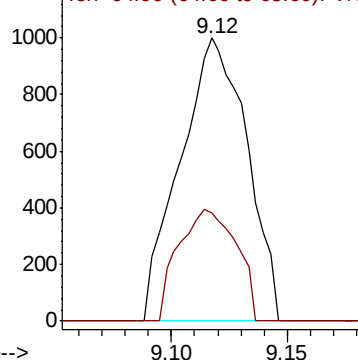
Ion Ratio Lower Upper

63 100

65 38.3 24.6 36.8#



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 0.355 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.08 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

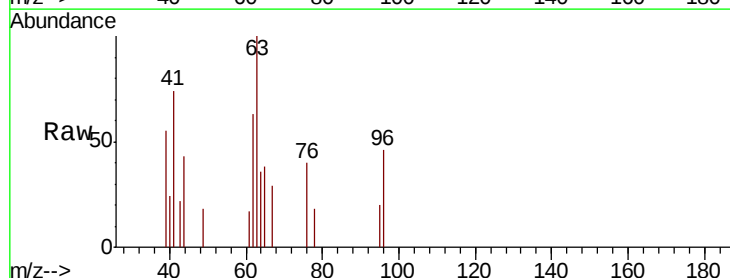
Tgt Ion: 41 Resp: 1095

Ion Ratio Lower Upper

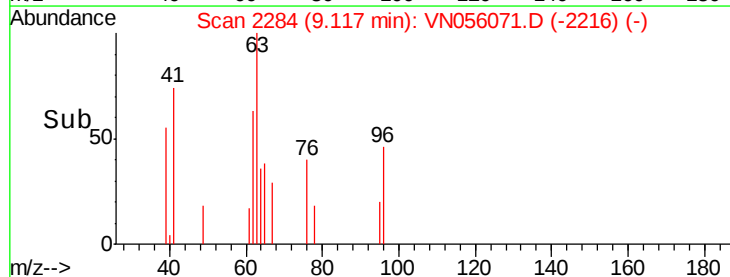
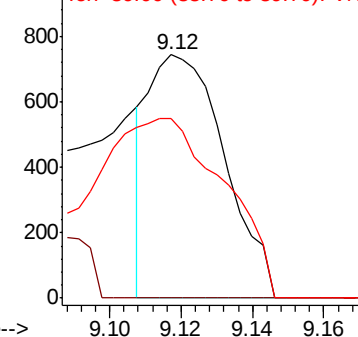
41 100

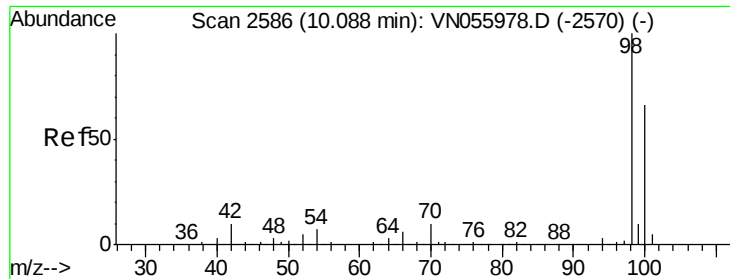
69 0.0 71.0 106.6#

39 121.5 44.2 66.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 54.105 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

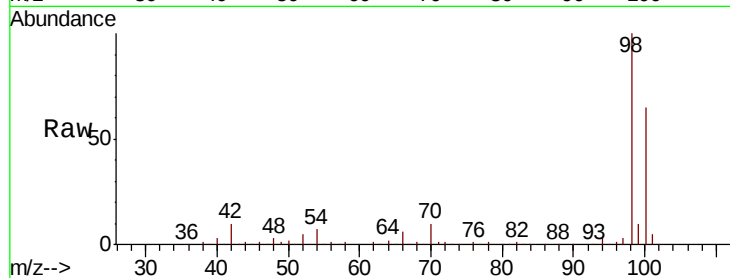
LF015MW045-190604

Tot Ion: 98 Resp: 648715

Ion Ratio Lower Upper

98 100

100 65.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)

10.09

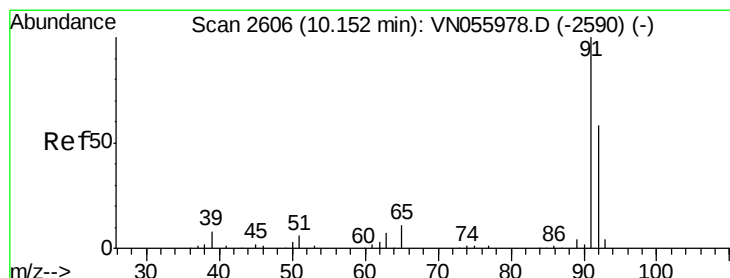
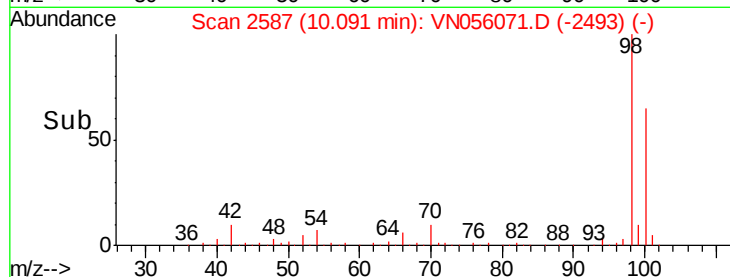
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 37.884 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056071.D

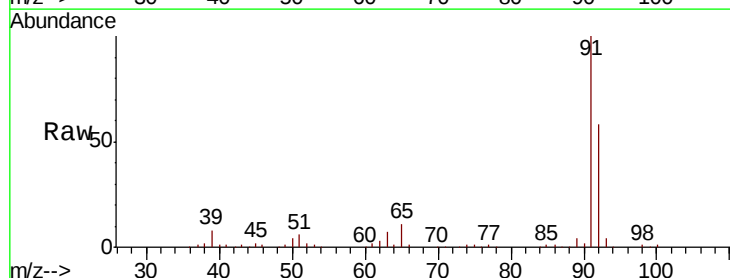
Acq: 7 Jun 2019 2:39

Tgt Ion: 92 Resp: 312668

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.16

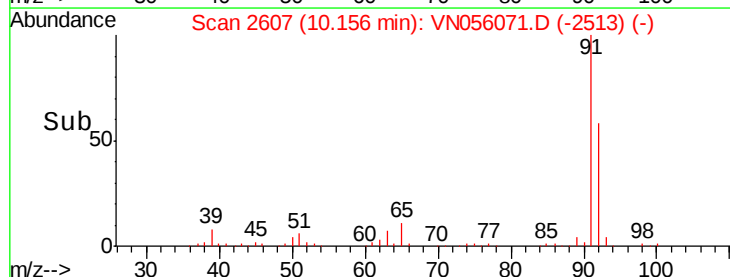
300000

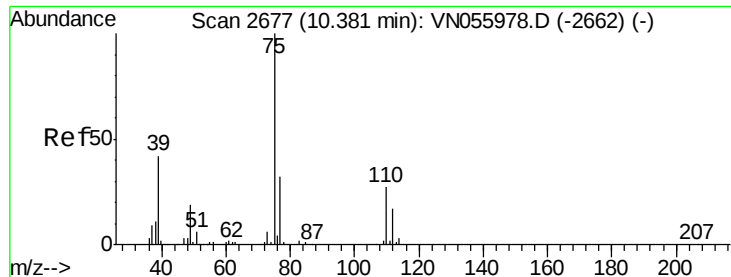
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 3.016 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.22 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

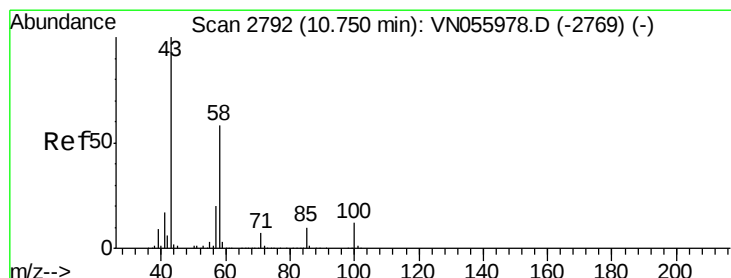
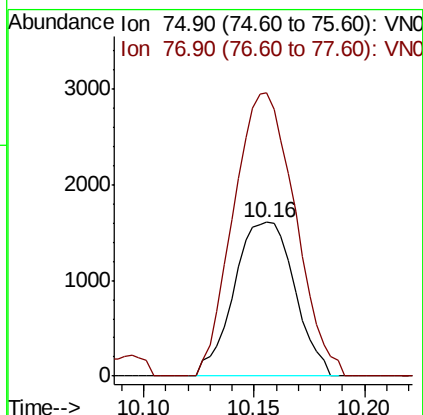
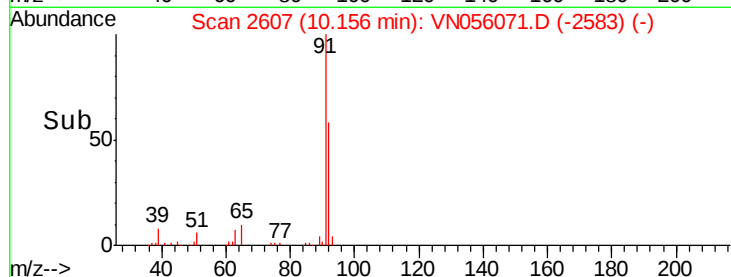
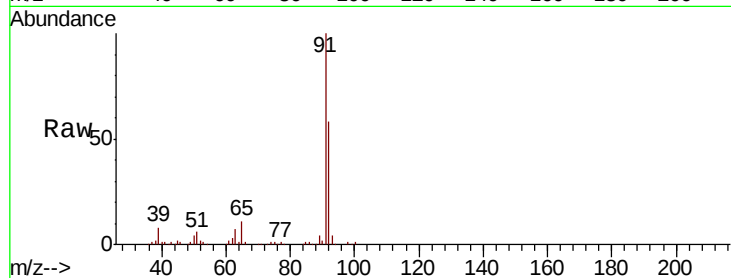
LF015MW045-190604

Tot Ion: 75 Resp: 3064

Ion Ratio Lower Upper

75 100

77 184.0 25.8 38.6#



#59

2-Hexanone

Concen: 14.497 ug/l

RT: 10.61 min Scan# 2747

Delta R.T. -0.14 min

Lab File: VN056071.D

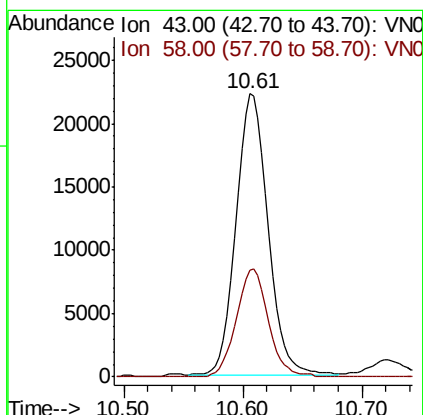
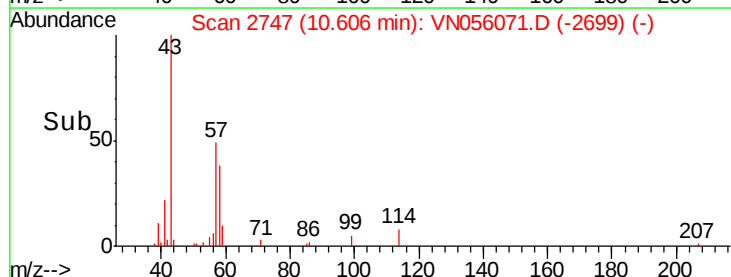
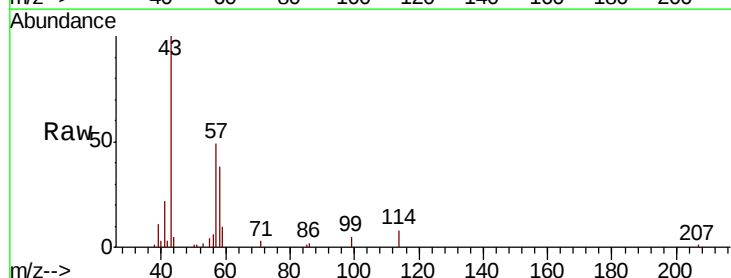
Acq: 7 Jun 2019 2:39

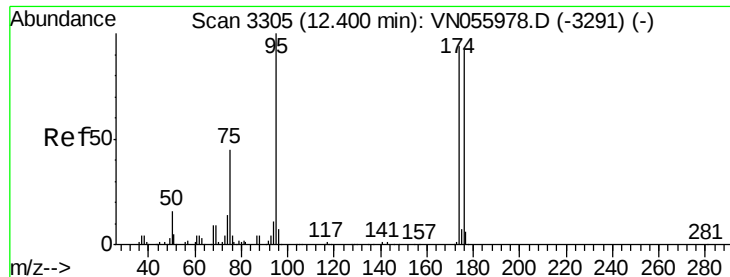
Tgt Ion: 43 Resp: 41370

Ion Ratio Lower Upper

43 100

58 38.4 28.2 84.7





#62

4-Bromofluorobenzene

Concen: 58.934 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

LF015MW045-190604

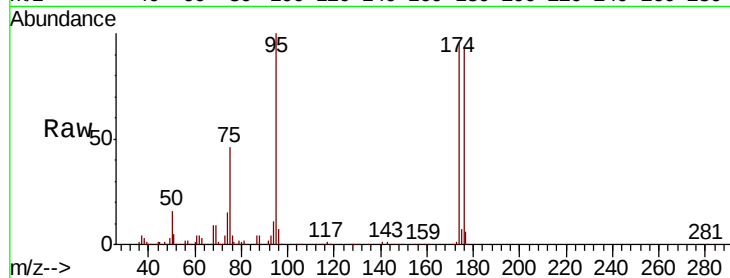
Tot Ion: 95 Resp: 240302

Ion Ratio Lower Upper

95 100

174 95.9 0.0 191.0

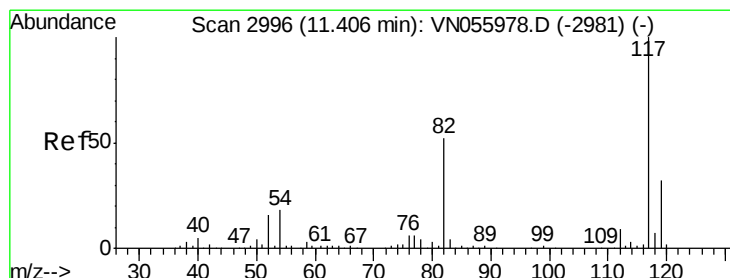
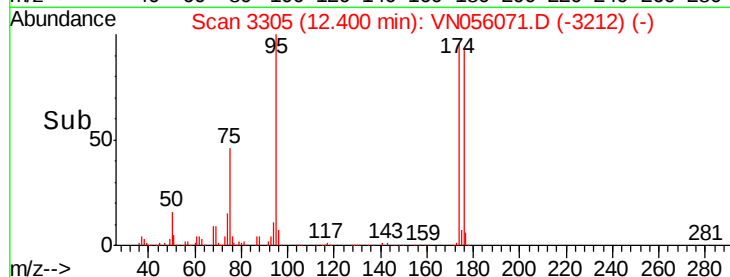
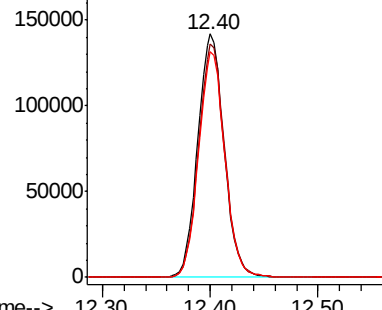
176 92.4 0.0 185.2



Abundance Ion 94.90 (94.60 to 95.60): VN055978.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055978.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055978.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

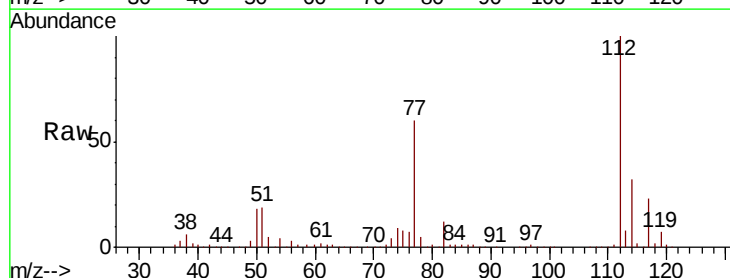
Tgt Ion: 117 Resp: 508446

Ion Ratio Lower Upper

117 100

82 51.7 41.8 62.8

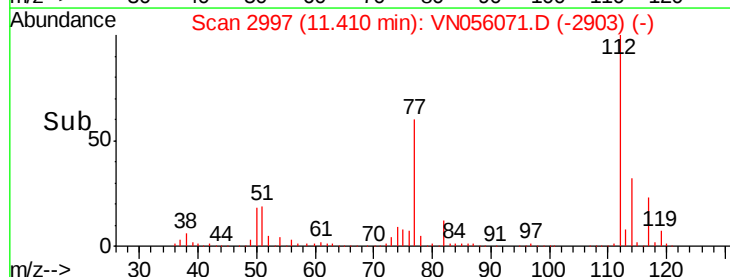
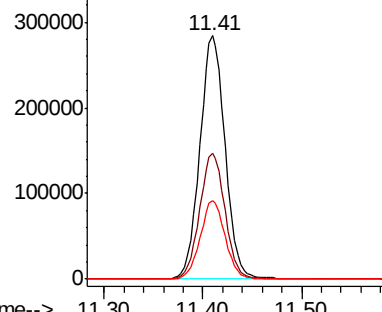
119 32.3 25.4 38.0

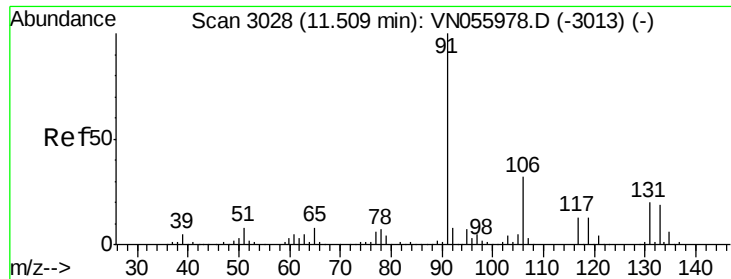


Abundance Ion 116.90 (116.60 to 117.60): VN055978.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055978.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055978.D (-2981) (-)

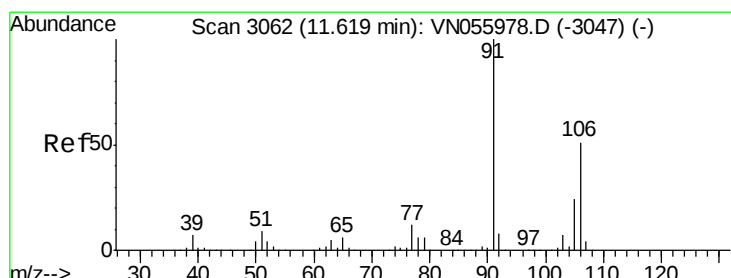
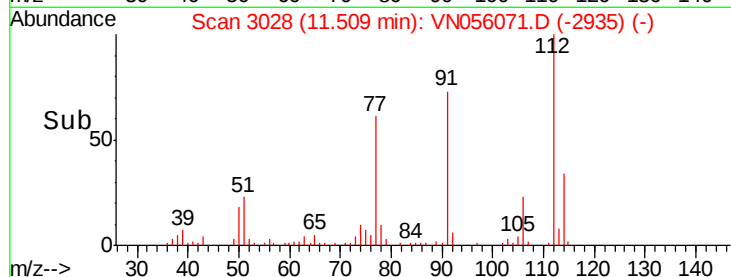
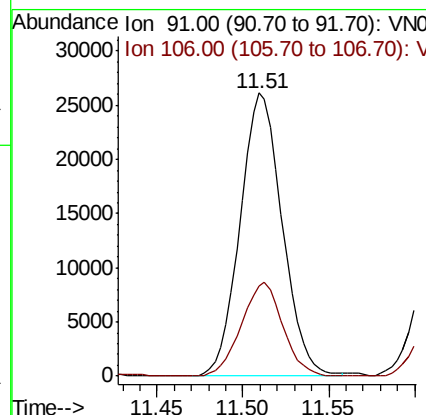
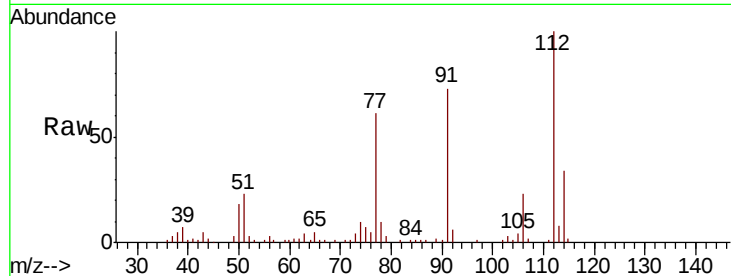




#67
Ethyl Benzene
Concen: 2.526 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

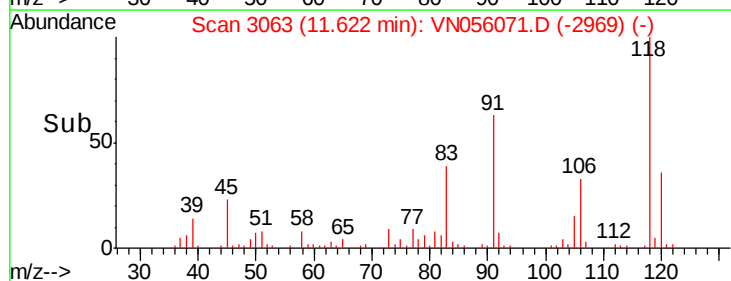
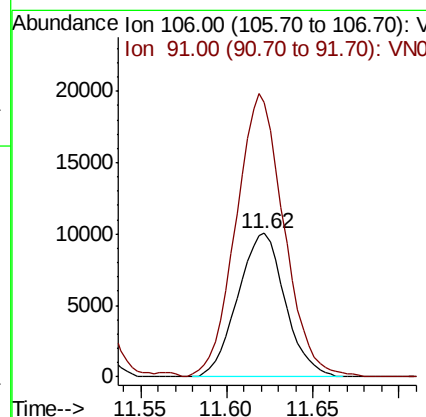
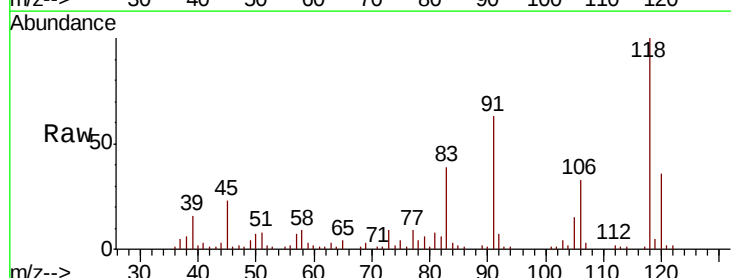
Instrument :
MSVOA_N
ClientSampleId :
LF015MW045-190604

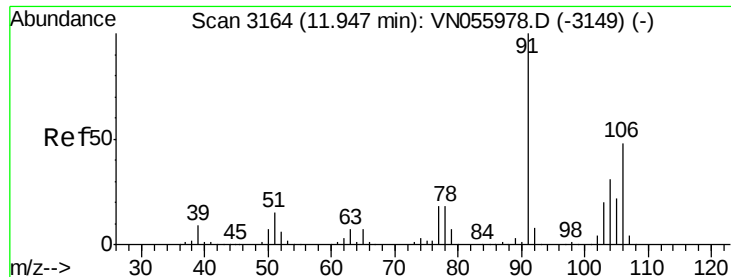
Tot Ion: 91 Resp: 44446
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



#68
m/p-Xylenes
Concen: 2.861 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Tgt Ion: 106 Resp: 19234
Ion Ratio Lower Upper
106 100
91 199.6 159.3 238.9

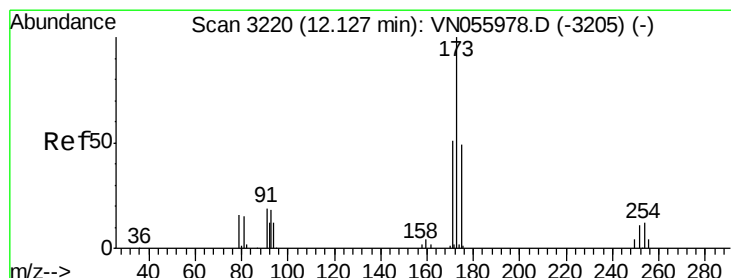
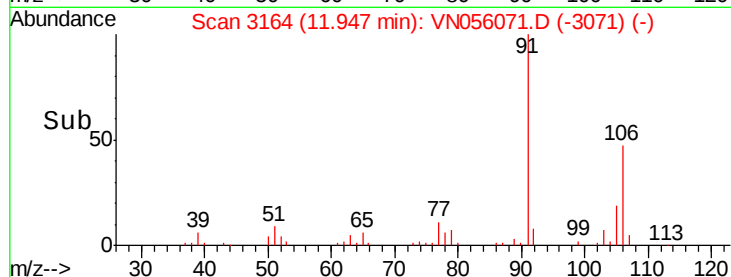
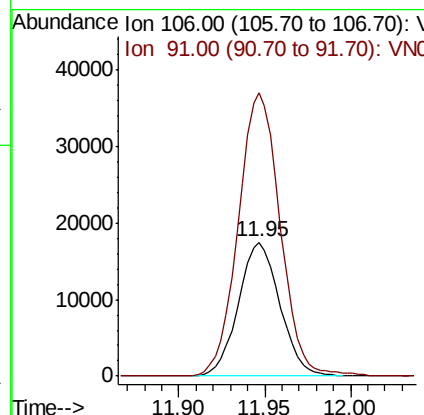
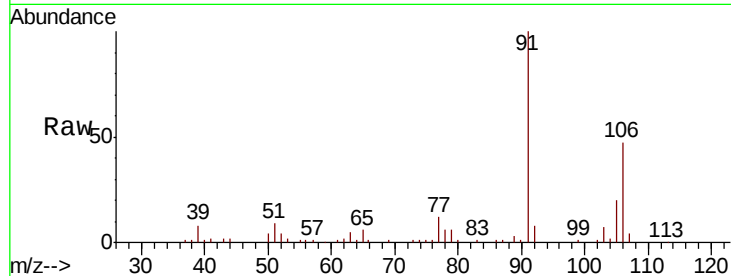




#69
o-Xylene
Concen: 4.446 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

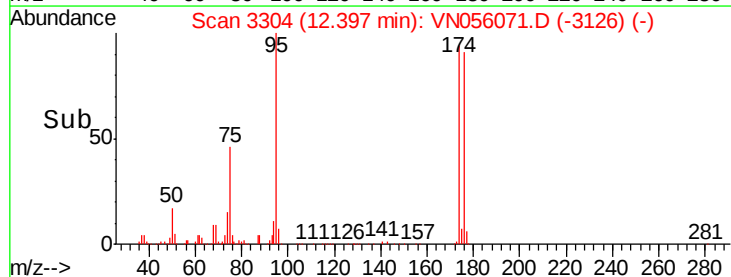
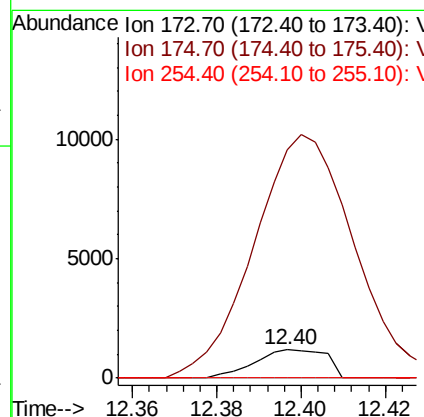
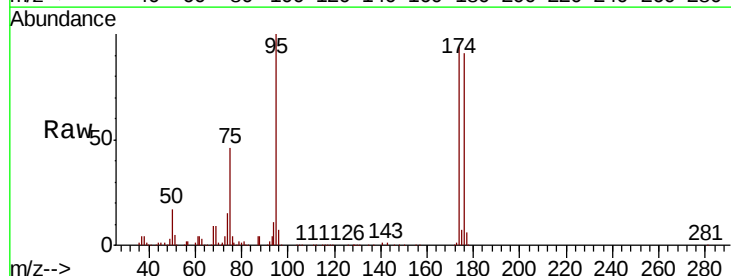
Instrument :
MSVOA_N
ClientSampleId :
LF015MW045-190604

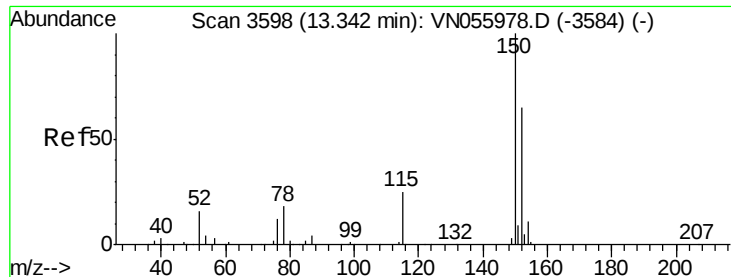
Tot Ion:106 Resp: 29393
Ion Ratio Lower Upper
106 100
91 213.4 104.7 314.1



#71
Bromoform
Concen: 3.194 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Tgt Ion:173 Resp: 1401
Ion Ratio Lower Upper
173 100
175 1069.2 24.3 72.8#
254 0.0 0.0 0.0



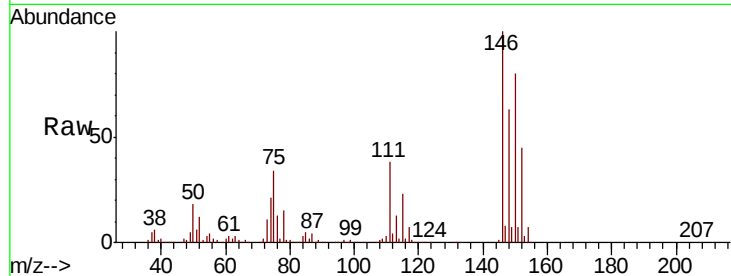


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
LF015MW045-190604

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.0	81.0
150	301.9	0.0	343.2

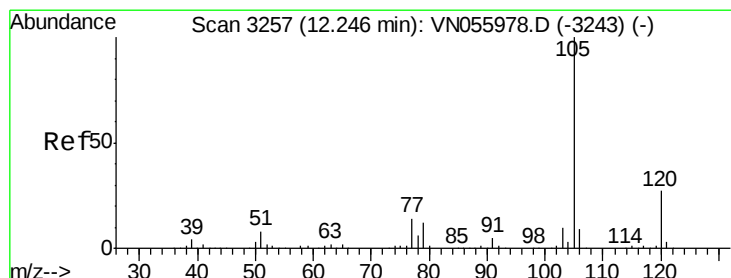
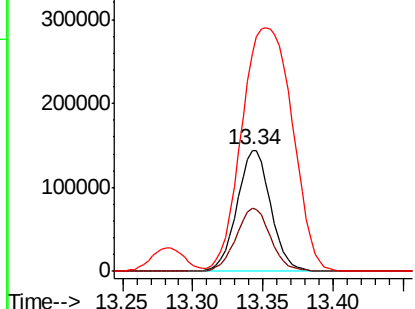
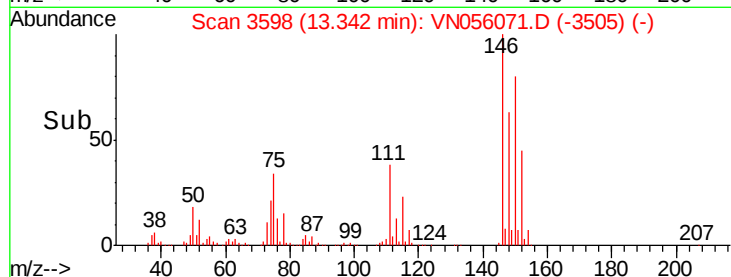


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

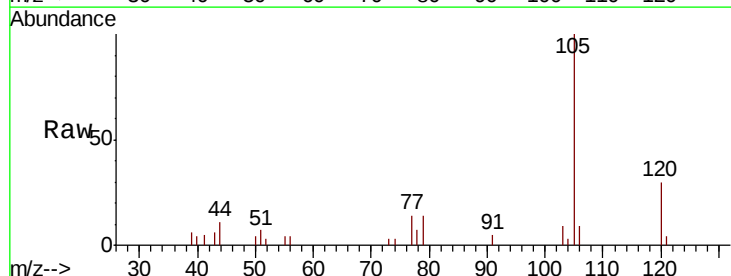
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: Below Cal
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

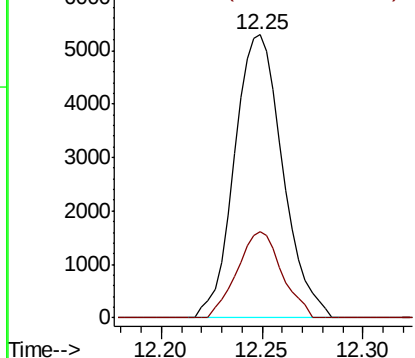
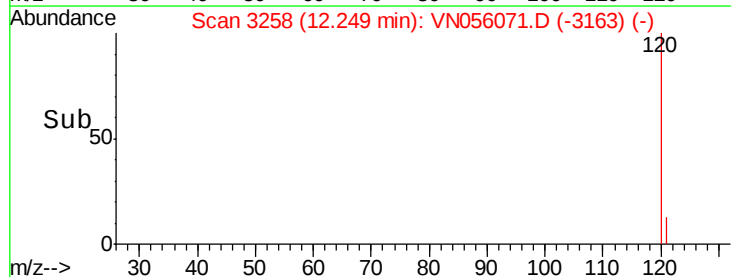
Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.6	40.7

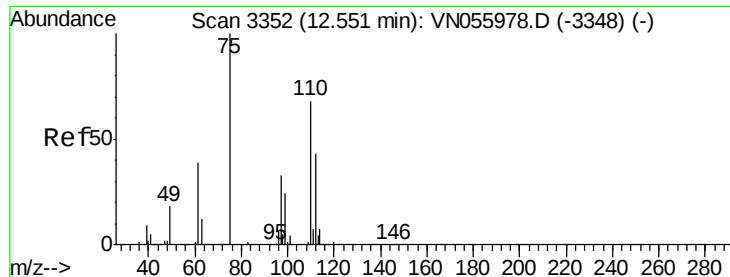


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 24.478 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

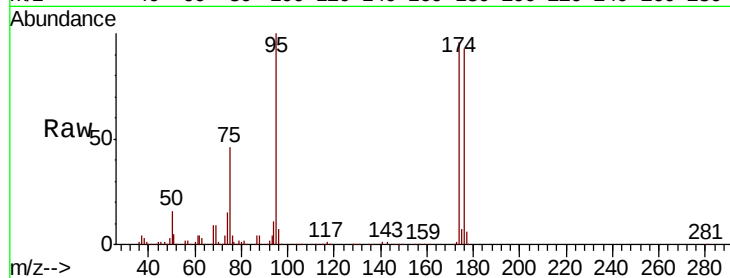
LF015MW045-190604

Tot Ion: 75 Resp: 108675

Ion Ratio Lower Upper

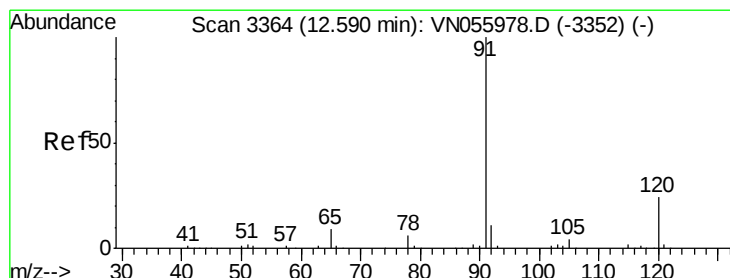
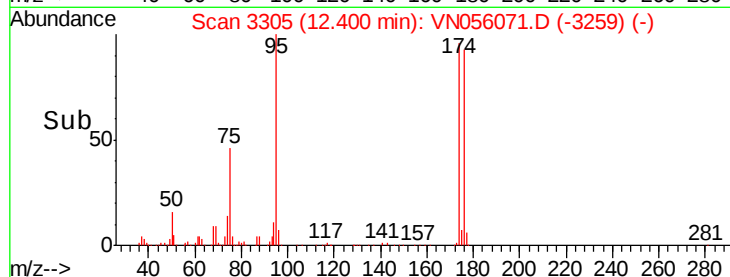
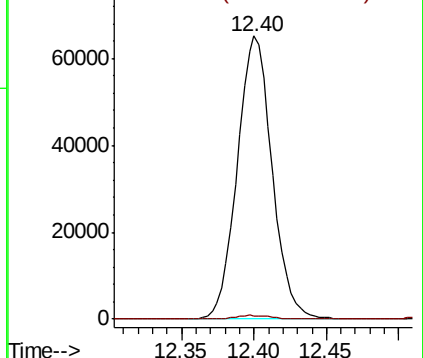
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.627 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056071.D

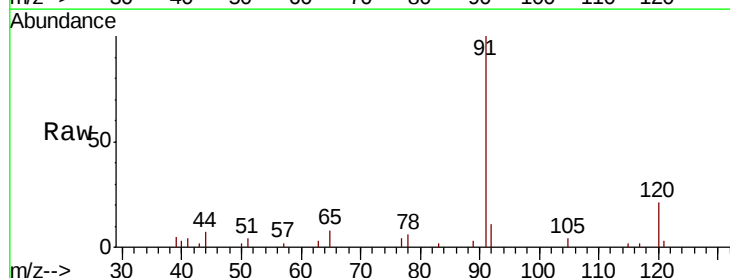
Acq: 7 Jun 2019 2:39

Tgt Ion: 91 Resp: 12800

Ion Ratio Lower Upper

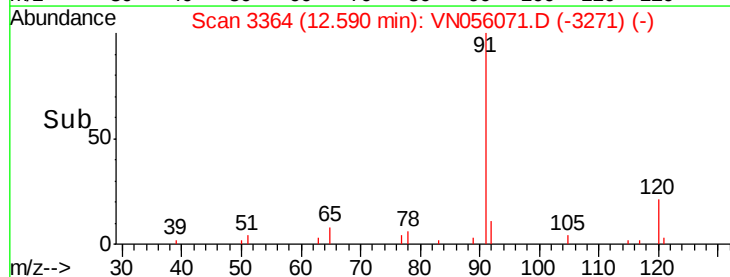
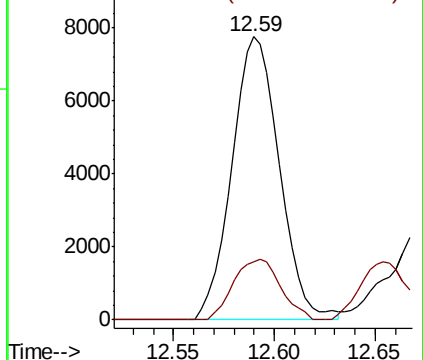
91 100

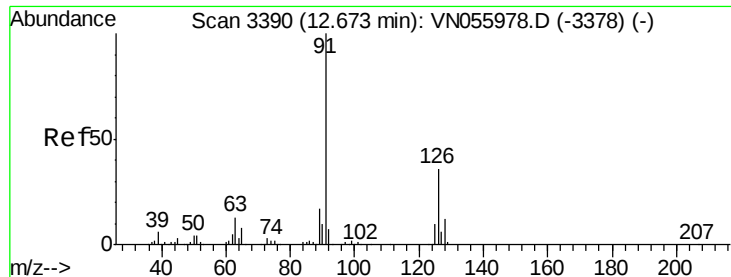
120 21.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

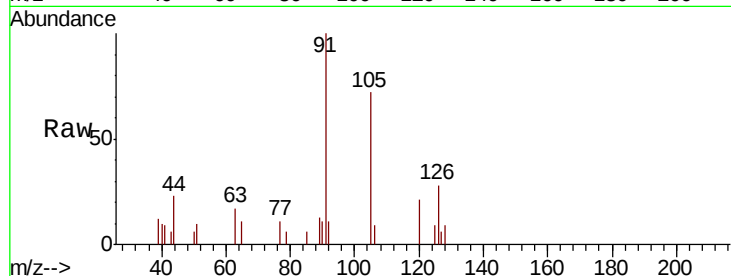
LF015MW045-190604

Tot Ion: 91 Resp: 5455

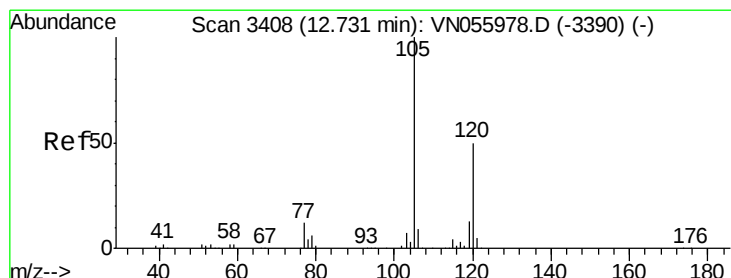
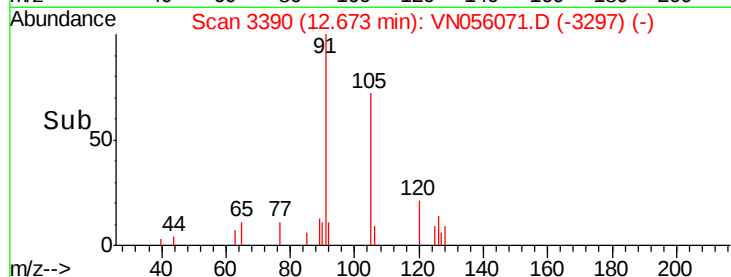
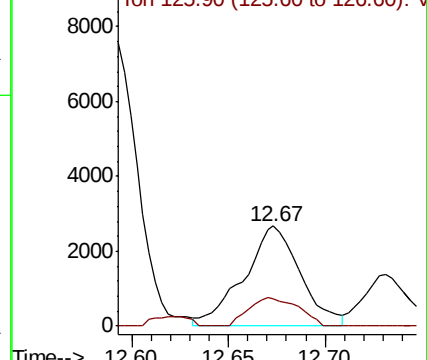
Ion Ratio Lower Upper

91 100

126 24.8 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.131 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056071.D

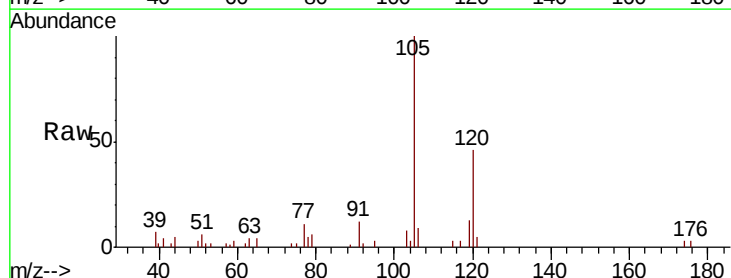
Acq: 7 Jun 2019 2:39

Tgt Ion: 105 Resp: 18349

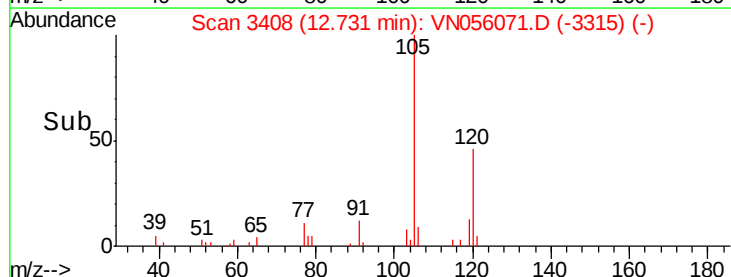
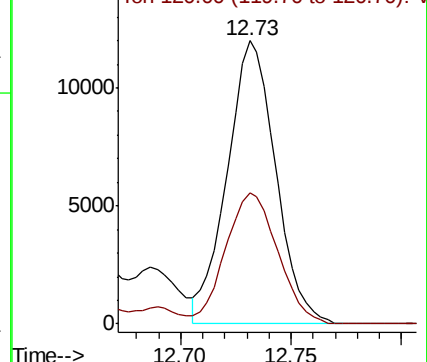
Ion Ratio Lower Upper

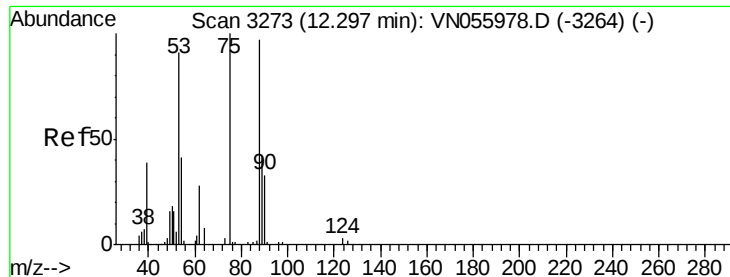
105 100

120 49.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 81.517 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

LF015MW045-190604

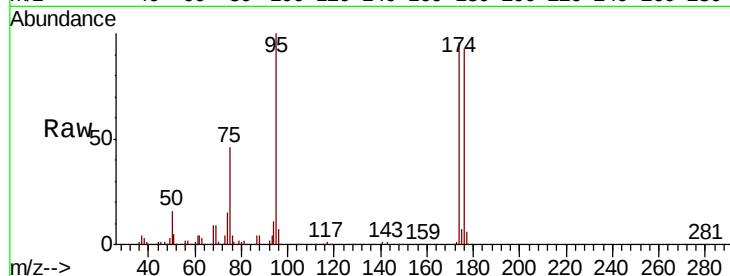
Tot Ion: 75 Resp: 108675

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

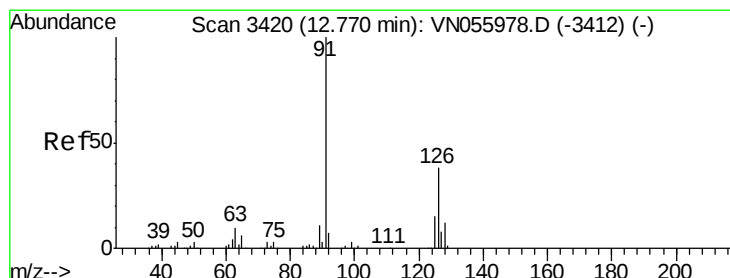
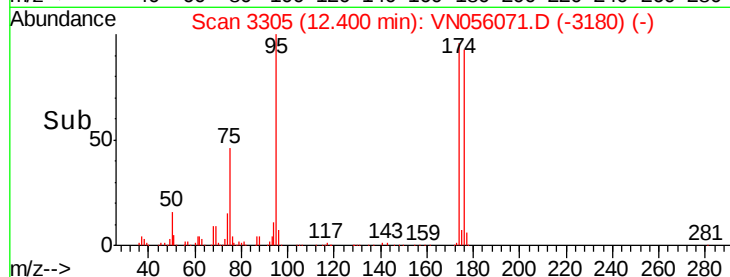
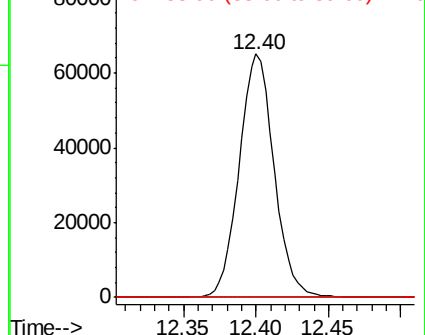
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.236 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056071.D

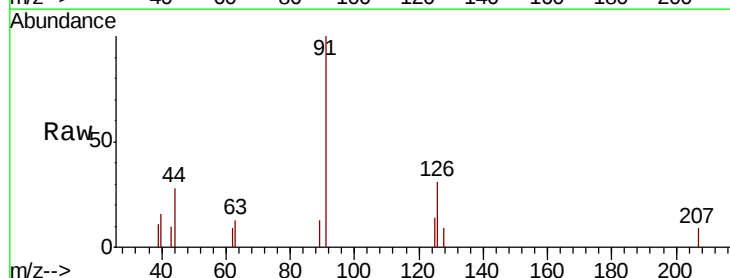
Acq: 7 Jun 2019 2:39

Tgt Ion: 91 Resp: 2820

Ion Ratio Lower Upper

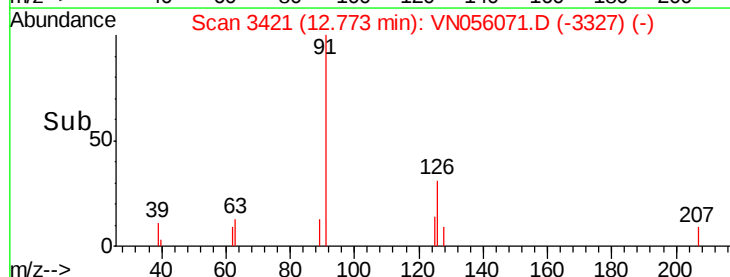
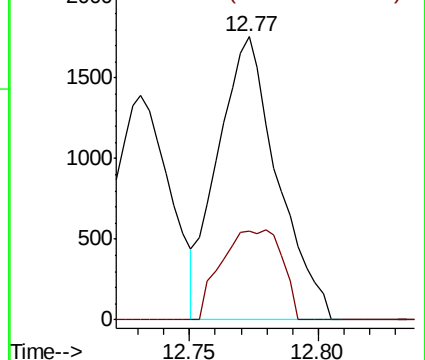
91 100

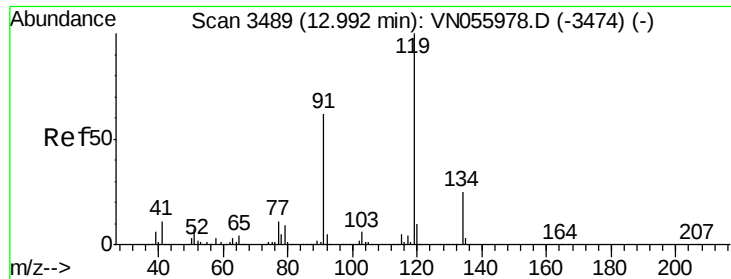
126 32.4 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

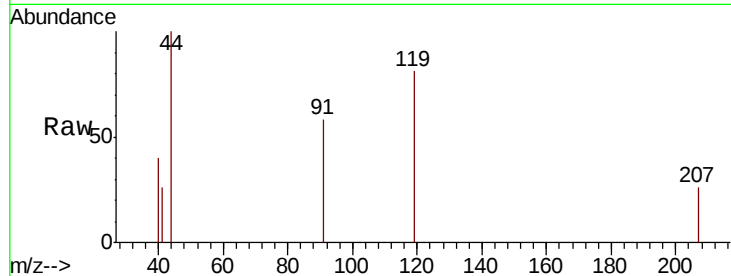




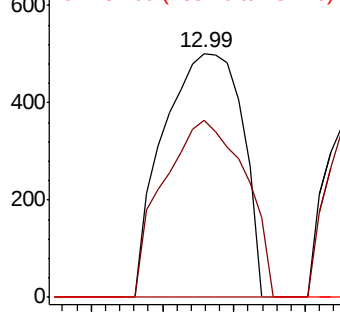
#83
tert-Butylbenzene
Concen: Below Cal
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

Instrument :
MSVOA_N
ClientSampleId :
LF015MW045-190604

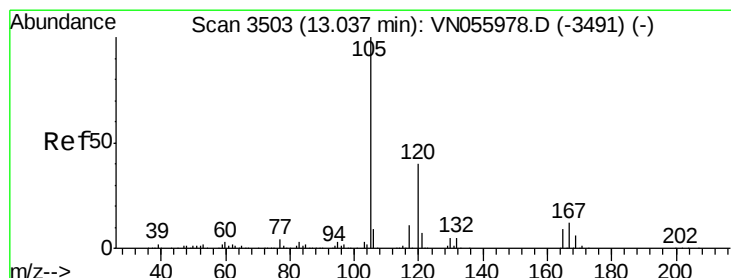
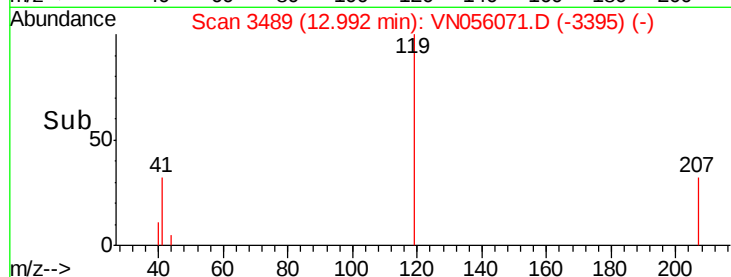
Tot Ion:119 Resp: 766
Ion Ratio Lower Upper
119 100
91 75.6 30.9 92.8
134 0.0 13.3 39.8#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

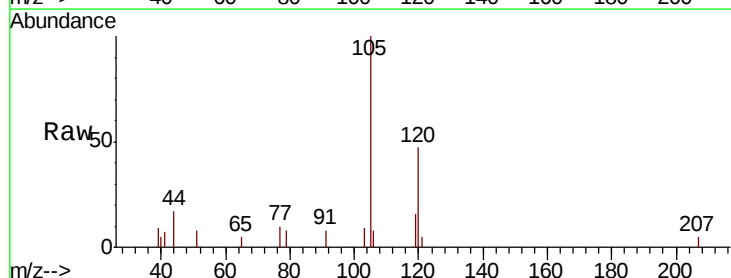


Time-->

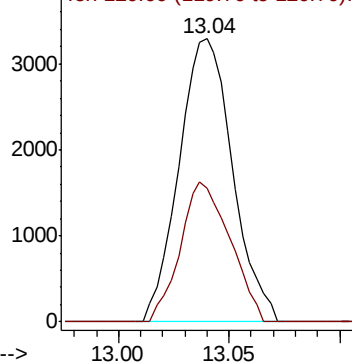


#84
1,2,4-Trimethylbenzene
Concen: 0.360 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056071.D
Acq: 7 Jun 2019 2:39

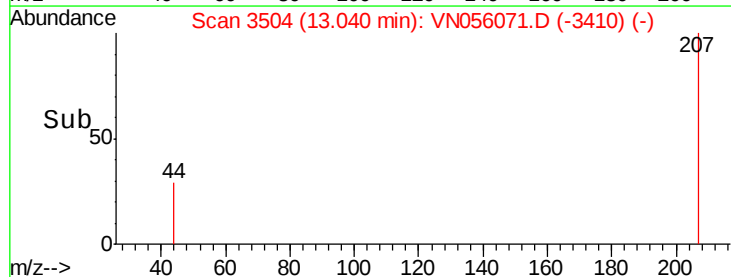
Tgt Ion:105 Resp: 5536
Ion Ratio Lower Upper
105 100
120 45.8 23.0 69.0

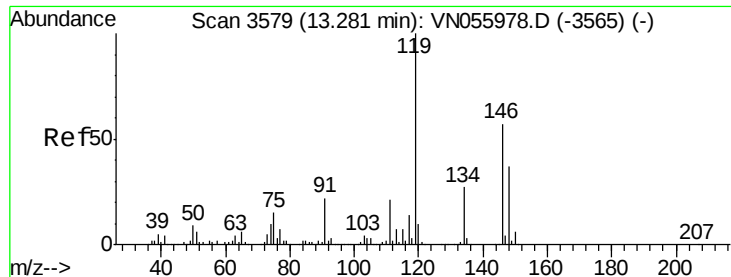


Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 57.761 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

LF015MW045-190604

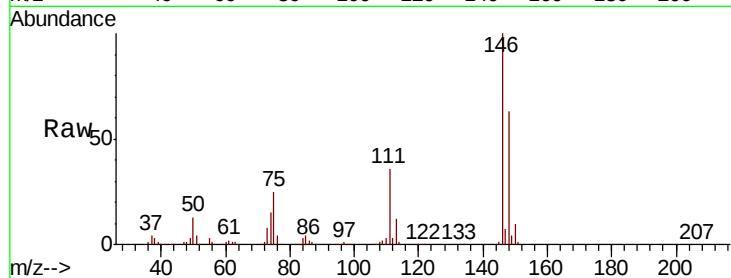
Tot Ion:146 Resp: 461810

Ion Ratio Lower Upper

146 100

111 35.8 18.5 55.5

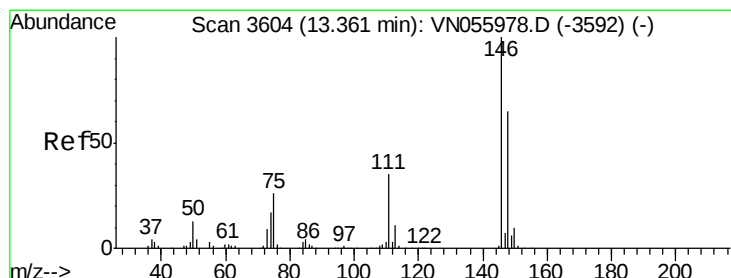
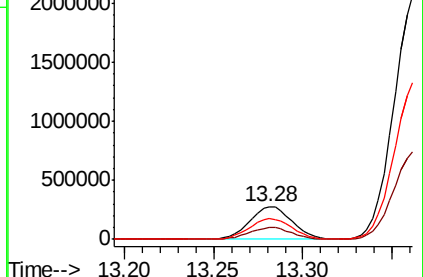
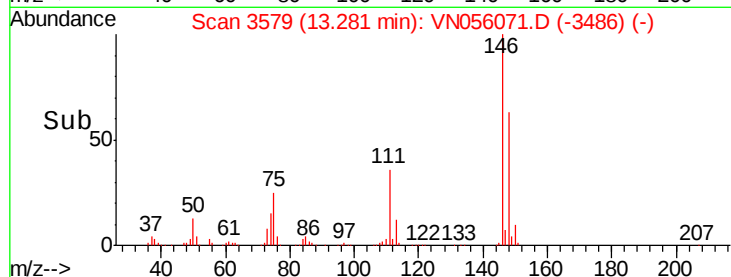
148 63.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 446.468 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

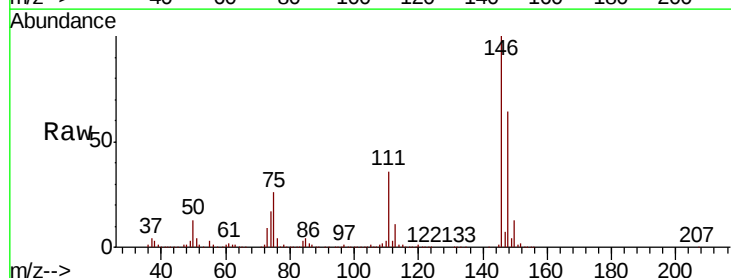
Tgt Ion:146 Resp: 3433780

Ion Ratio Lower Upper

146 100

111 35.5 18.1 54.4

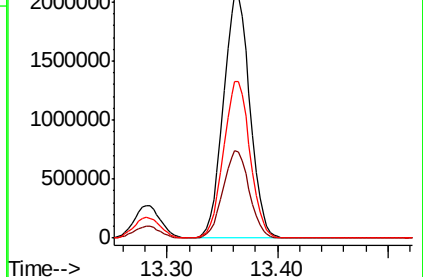
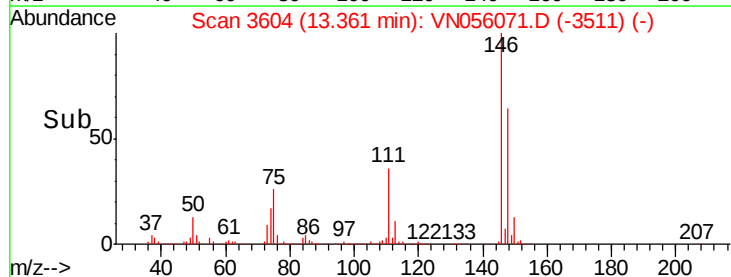
148 64.3 32.1 96.5

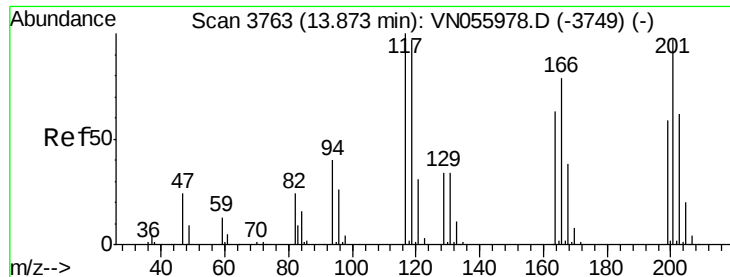


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 0.232 ug/l

RT: 13.80 min Scan# 3739

Delta R.T. -0.08 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

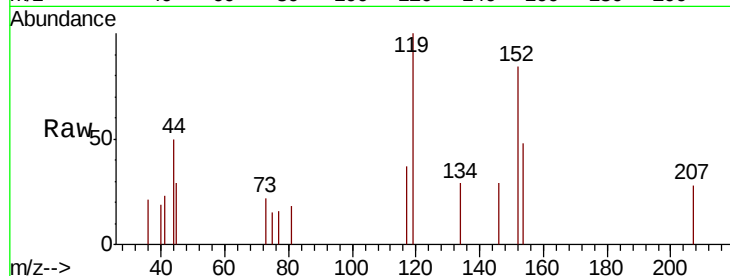
LF015MW045-190604

Tot Ion:117 Resp: 567

Ion Ratio Lower Upper

117 100

201 0.0 50.0 150.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.80

400

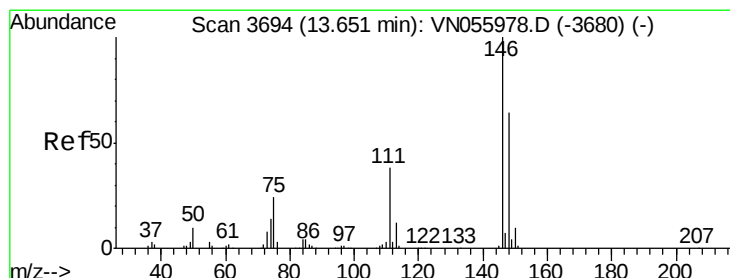
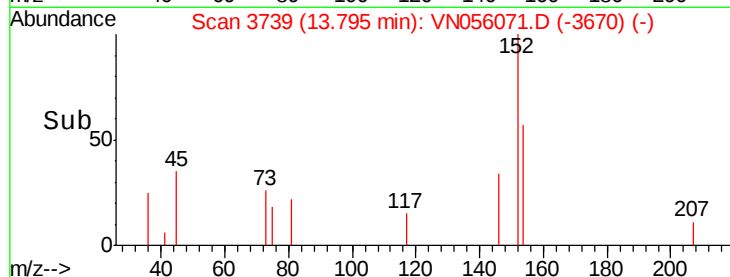
300

200

100

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 1175.189 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

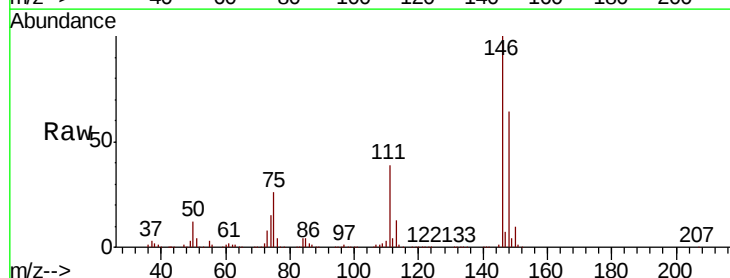
Tgt Ion:146 Resp: 9486126

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.5

148 64.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.65

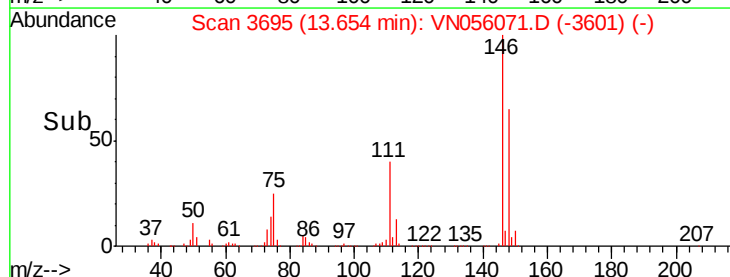
6000000

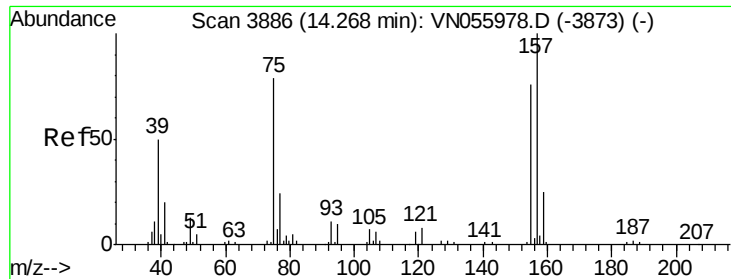
4000000

2000000

0

Time-->

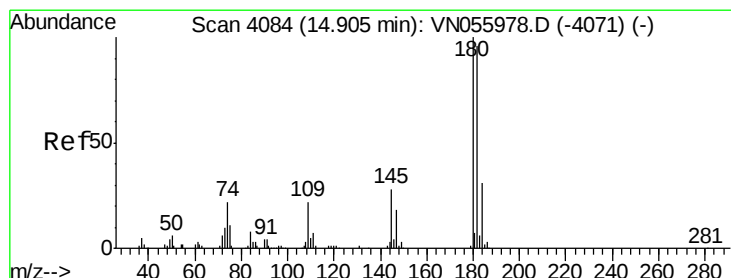
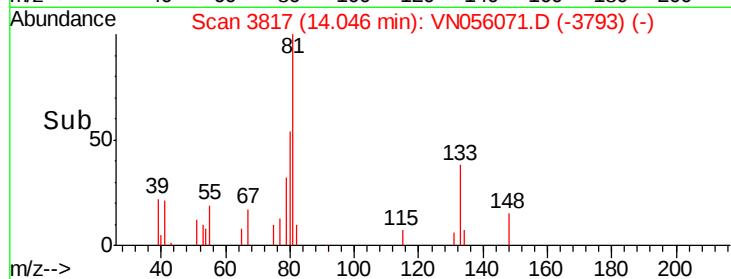
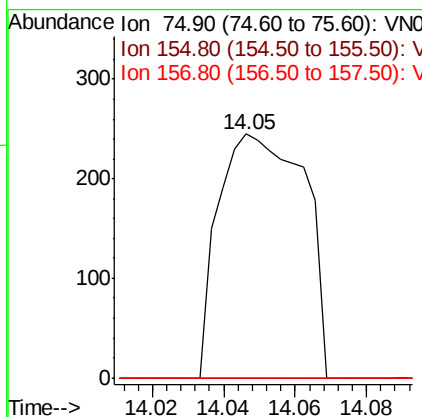
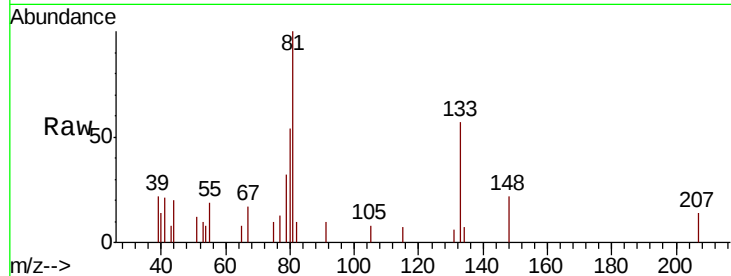




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.508 ug/l
 RT: 14.05 min Scan# 3817
 Delta R.T. -0.22 min
 Lab File: VN056071.D
 Acq: 7 Jun 2019 2:39

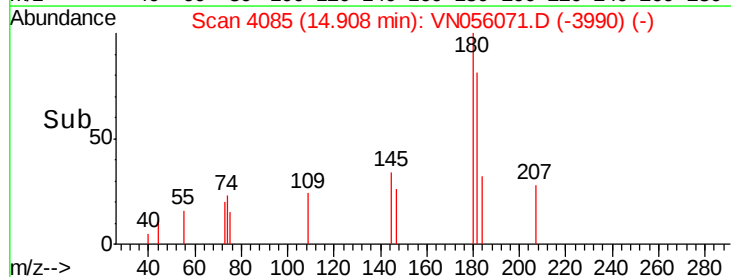
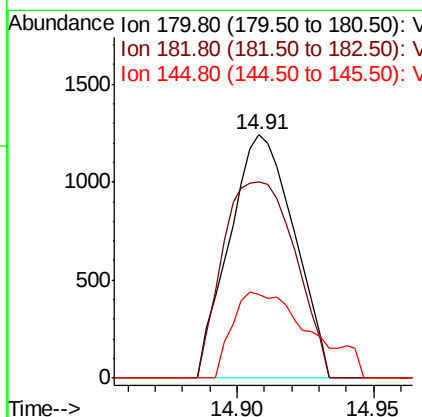
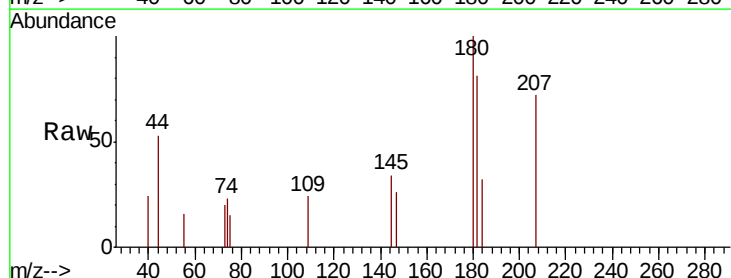
Instrument :
 MSVOA_N
 ClientSampleId :
 LF015MW045-190604

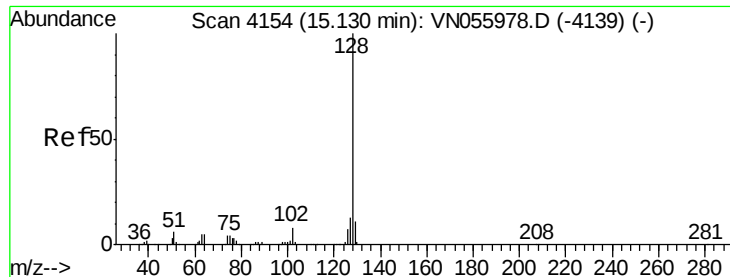
Tot Ion: 75 Resp: 407
 Ion Ratio Lower Upper
 75 100
 155 0.0 50.0 150.1#
 157 0.0 64.8 194.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.689 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056071.D
 Acq: 7 Jun 2019 2:39

Tgt Ion:180 Resp: 2040
 Ion Ratio Lower Upper
 180 100
 182 91.0 48.3 144.9
 145 42.7 14.0 41.9#





#95

Naphthalene

Concen: 4.865 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

Instrument :

MSVOA_N

ClientSampleId :

LF015MW045-190604

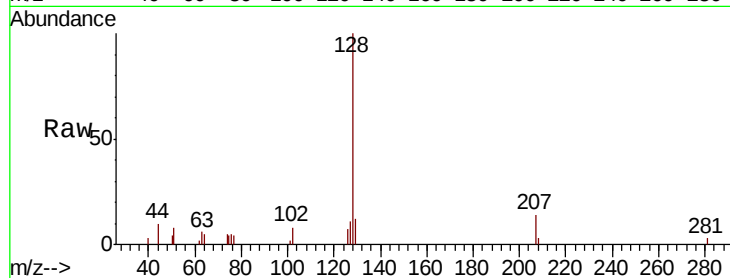
Tot Ion:128 Resp: 12669

Ion Ratio Lower Upper

128 100

127 11.5 10.3 15.5

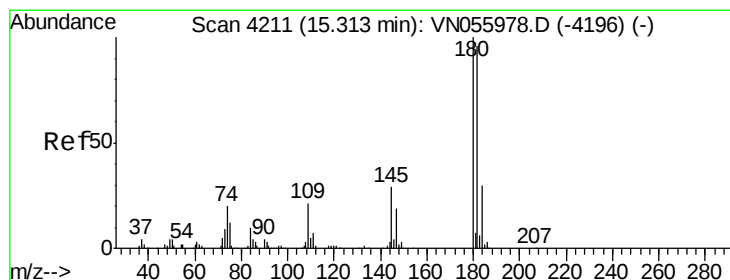
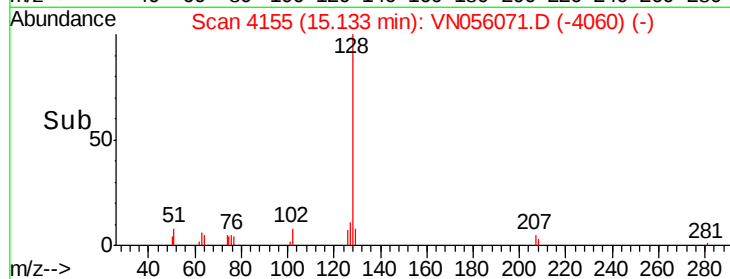
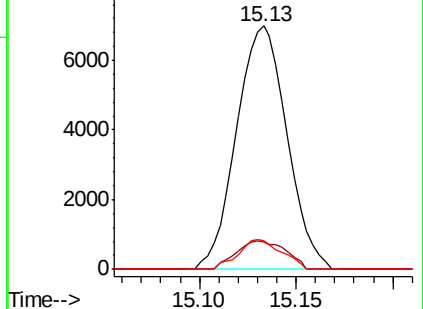
129 10.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.112 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN056071.D

Acq: 7 Jun 2019 2:39

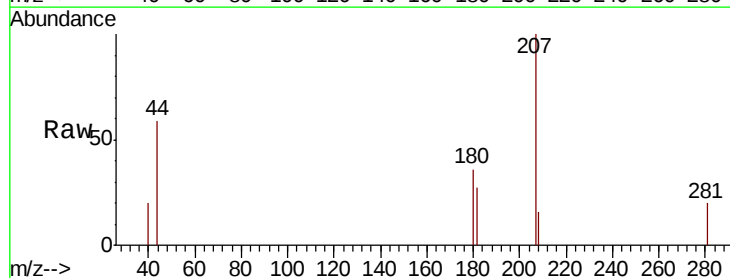
Tgt Ion:180 Resp: 389

Ion Ratio Lower Upper

180 100

182 110.0 47.9 143.7

145 0.0 14.9 44.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

